

Supplementary Table 2a

ADH	FZD	mGluR	RHOD	SEC	TAS2	VR
Hs19_11308_28_11_2	lcl Hs7_17324_28_45_1	lcl Hs3_6132_28_3_1	lcl Hs7_23796_28_46_14	Hs3_5982_28_23_1	lcl Hs7_23796_28_31_3	lcl Hs19_11261_28_52_1
Hs1_4668_28_45_2	lcl Hs17_10922_28_2_1	lcl Hs5_6959_28_2_1	lcl Hs7_23796_28_50_3	Hs3_30204_28_2_1	lcl Hs3_6084_28_163_13	lcl Hs19_11305_28_31_3
Hs19_11308_28_9_1	lcl Hs2_5386_28_37_1	lcl Hs7_17324_28_76_1	lcl Hs11_9110_28_5_1	Hs7_7976_28_62_1	lcl Hs7_23796_28_4_1	lcl Hs16_24929_28_4_2
Hs3_6147_28_5_1	lcl Hs12_9639_28_3_1	lcl Hs11_9141_28_5_3	lcl Hs9_29525_28_42_2	Hs6_7749_28_21_1	lcl Hs12_9858_28_7_1	lcl Hs3_6084_28_41_2
Hs22_11680_28_10_1	lcl Hs7_8024_28_24_1	lcl Hs3_22568_28_4_3	lcl Hs6_7749_28_261_2	Hs17_10875_28_78_1	lcl Hs7_23796_28_2_1	lcl Hs21_29649_28_6_3
Hs1_4640_28_14_1	lcl Hs8_8145_28_21_1	lcl Hs6_19585_28_41_5	lcl Hs11_9482_28_5_2	Hs7_28392_28_2_5	lcl Hs7_23796_28_41_5	lcl Hs7_30256_28_7_7
HsX_11876_28_18_4	lcl Hs11_30361_28_165_1	lcl Hs6_7749_28_478_2	lcl Hs11_30361_28_106_1	Hs7_7976_28_64_1	lcl Hs7_23796_28_31_1	lcl Hs19_11305_28_29_2
Hs2_30849_28_3_1	lcl Hs10_8740_28_13_1	lcl Hs6_7749_28_281_1	lcl Hs14_19739_28_112_14	Hs17_10990_28_27_1	lcl Hs7_23796_28_7_1	lcl Hs16_24935_28_18_2
Hs19_11302_28_17_1	lcl Hs7_7816_28_27_1	lcl Hs7_8090_28_26_1	lcl Hs1_30125_28_1_21	Hs7_7976_28_70_1	lcl Hs2_30169_28_2_1	lcl Hs19_11305_28_31_2
Hs19_11302_28_16_4	lcl Hs8_8135_28_8_1	lcl Hs3_6084_28_128_9	lcl Hs9_8627_28_15_9	Hs19_11347_28_212_1	lcl Hs12_9858_28_36_1	lcl Hs3_30200_28_1_2
Hs19_25311_28_1_1		lcl Hs6_7391_28_26_9	lcl Hs4_6326_28_10_1	Hs2_5269_28_14_1	lcl Hs3_6084_28_163_12	lcl Hs19_11305_28_33_2
Hs19_25311_28_3_1		lcl Hs17_10829_28_13_1	lcl Hs9_8578_28_24_5	Hs1_30115_28_32_1	lcl Hs12_9858_28_21_1	lcl Hs3_6084_28_41_1
Hs12_9639_28_9_11		lcl Hs16_10741_28_19_1	lcl Hs1_4640_28_6_1	Hs2_22317_28_5_3	lcl Hs12_9858_28_42_2	lcl Hs19_11407_28_31_4
Hs6_7559_28_29_2		lcl Hs9_8633_28_10_4	lcl Hs11_9453_28_8_1	Hs1_4640_28_18_3		lcl Hs1_30125_28_1_17
Hs7_17324_28_22_1		lcl Hs12_24566_28_14_1	lcl Hs14_19739_28_112_8	Hs6_7315_28_22_1		lcl Hs22_11676_28_10_13
Hs6_7559_28_29_4		lcl Hs1_28213_28_21_1	lcl Hs11_9453_28_48_12	Hs6_7559_28_36_2		lcl Hs2_30169_28_2_1
Hs18_25149_28_3_5		lcl Hs3_30192_28_3_3	lcl Hs6_7749_28_537_2	Hs6_7559_28_36_1		lcl Hs18_28543_28_1_2
Hs16_10563_28_28_1		lcl Hs1_25791_28_24_1	lcl Hs11_29576_28_1_1	Hs16_10563_28_29_3		lcl Hs1_30125_28_1_20
Hs16_10563_28_27_2		lcl Hs12_24566_28_12_1	lcl Hs14_19739_28_62_4	Hs2_5344_28_16_1		
Hs9_29525_28_24_1		lcl Hs19_11261_28_31_3	lcl Hs7_23796_28_46_6	Hs4_30208_28_1_2		
Hs8_26516_28_5_1		lcl Hs19_11376_28_7_3	lcl Hs9_8627_28_15_6	Hs3_6020_28_23_2		
Hs9_29518_28_10_1		lcl Hs3_29416_28_1_1	lcl Hs11_9453_28_48_14	Hs17_11002_28_14_4		
		lcl Hs10_8766_28_51_8	lcl Hs19_11447_28_3_1	Hs10_32035_28_1_3		
			lcl Hs9_8627_28_15_7	Hs4_23010_28_2_2		
			lcl Hs9_8595_28_27_4	Hs2_5344_28_16_3		
			lcl Hs7_31980_28_24_1			
			lcl Hs11_9372_28_32_11			
			lcl Hs1_4828_28_10_1			
			lcl Hs1_31898_28_1_7			
			lcl Hs14_19739_28_112_10			
			lcl Hs1_30125_28_1_8			
			lcl Hs7_7976_28_43_6			
			lcl Hs19_25311_28_4_2			
			lcl Hs11_9482_28_5_1			
			lcl Hs14_26048_28_124_1			
			lcl Hs2_26406_28_8_1			
			lcl Hs11_9372_28_34_3			
			lcl Hs11_9372_28_32_3			
			lcl Hs1_31898_28_1_3			
			lcl Hs19_11458_28_2_1			
			lcl Hs9_29525_28_35_2			
			lcl Hs1_30125_28_1_6			
			lcl Hs9_29525_28_42_1			
			lcl Hs11_9453_28_1_1			
			lcl Hs11_9453_28_7_21			
			lcl Hs11_9114_28_1_9			
			lcl Hs1_27103_28_22_1			
			lcl Hs14_19739_28_68_1			

Ic||Hs11_9453_28_7_15
Ic||Hs11_9372_28_32_8
Ic||Hs11_9372_28_32_9
Ic||Hs1_30125_28_1_9
Ic||HsX_11950_28_13_4
Ic||Hs1_5139_28_14_4
Ic||Hs7_23796_28_46_2
Ic||Hs1_31898_28_1_17
Ic||Hs11_9453_28_48_15
Ic||Hs11_9482_28_11_3
Ic||Hs11_9482_28_7_1
Ic||Hs1_31898_28_1_19
Ic||Hs6_7749_28_261_4
Ic||Hs17_10808_28_25_4
Ic||Hs11_9482_28_5_3
Ic||Hs14_19739_28_112_12
Ic||Hs14_19739_28_112_7
Ic||Hs1_30125_28_1_3
Ic||Hs1_30125_28_1_7
Ic||Hs1_30125_28_1_17
Ic||Hs9_8627_28_15_5
Ic||Hs11_30361_28_106_2
Ic||Hs6_31975_28_3_1
Ic||Hs13_10109_28_107_1
Ic||Hs14_19739_28_112_20
Ic||Hs12_9720_28_58_7
Ic||Hs5_7011_28_1_6
Ic||Hs17_30417_28_22_1
Ic||Hs14_19739_28_101_2
Ic||Hs6_7749_28_269_1
Ic||Hs1_30125_28_1_18
Ic||Hs14_19739_28_112_13
Ic||Hs14_19739_28_67_16
Ic||Hs11_9453_28_47_1
Ic||Hs1_5139_28_12_4
Ic||Hs1_30125_28_1_12
Ic||Hs11_9453_28_35_9
Ic||Hs1_30125_28_2_3
Ic||Hs19_11287_28_58_13
Ic||Hs13_9956_28_26_5
Ic||Hs1_31901_28_1_3
Ic||Hs11_9453_28_14_13
Ic||Hs12_9615_28_67_4
Ic||Hs9_29525_28_42_7
Ic||Hs6_7749_28_275_4
Ic||Hs6_29476_28_1_2
Ic||Hs15_10431_28_1_3
Ic||Hs19_11287_28_58_7
Ic||Hs11_9114_28_1_5
Ic||Hs11_24499_28_1_4

Ic||Hs14_19739_28_112_22
Ic||Hs11_9482_28_31_10
Ic||Hs14_19739_28_112_17
Ic||Hs14_19739_28_1_1
Ic||Hs9_8578_28_23_1
Ic||Hs9_29525_28_42_8
Ic||Hs1_30125_28_1_20
Ic||Hs19_25311_28_6_1
Ic||Hs7_23796_28_50_2
Ic||Hs7_23796_28_46_15
Ic||Hs6_7749_28_235_3
Ic||Hs9_8578_28_20_2
Ic||Hs1_31901_28_1_9
Ic||Hs19_11287_28_58_15
Ic||Hs10_24220_28_6_1
Ic||Hs1_31898_28_1_6
Ic||Hs1_5139_28_12_3
Ic||Hs1_4928_28_2_3
Ic||Hs11_9453_28_48_11
Ic||Hs1_31901_28_1_5
Ic||Hs11_9453_28_14_10
Ic||Hs11_9372_28_32_1
Ic||Hs1_30125_28_1_2
Ic||Hs19_25289_28_1_1
Ic||Hs19_25289_28_3_5
Ic||Hs16_15516_28_1_1
Ic||Hs11_9453_28_50_2
Ic||Hs1_31898_28_1_8
Ic||Hs11_9482_28_5_4
Ic||Hs11_24499_28_1_5
Ic||Hs1_31901_28_1_14
Ic||Hs11_9114_28_1_6
Ic||Hs5_31972_28_2_2
Ic||Hs11_9453_28_47_10
Ic||Hs11_9372_28_34_24
Ic||Hs11_9372_28_32_5
Ic||Hs9_8627_28_15_3
Ic||Hs15_10431_28_1_4
Ic||Hs19_11287_28_58_5
Ic||Hs11_9372_28_32_6
Ic||Hs19_11287_28_58_14
Ic||Hs6_25897_28_30_1
Ic||Hs1_31898_28_1_13
Ic||Hs7_8125_28_6_4
Ic||Hs11_9114_28_1_10
Ic||Hs11_9453_28_14_16
Ic||HsX_11943_28_38_8
Ic||Hs11_9453_28_35_5
Ic||Hs11_24316_28_2_4
Ic||Hs9_29525_28_42_6
Ic||HsX_11826_28_6_3

Ic||Hs11_9372_28_32_10
Ic||Hs2_22406_28_1_11
Ic||Hs1_4682_28_56_3
Ic||Hs1_5139_28_14_8
Ic||Hs6_25897_28_18_2
Ic||Hs6_29465_28_3_3
Ic||Hs17_30417_28_8_2
Ic||Hs11_9372_28_34_10
Ic||Hs11_9453_28_47_4
Ic||Hs14_26048_28_125_2
Ic||Hs7_23796_28_44_5
Ic||Hs11_9453_28_7_19
Ic||Hs17_30417_28_8_1
Ic||Hs11_24316_28_1_1
Ic||Hs19_11287_28_58_10
Ic||Hs6_7749_28_263_1
Ic||Hs9_29525_28_42_9
Ic||Hs1_5139_28_14_9
Ic||Hs12_9683_28_46_5
Ic||Hs6_7749_28_278_1
Ic||Hs11_9453_28_3_10
Ic||Hs12_9615_28_67_1
Ic||Hs7_23796_28_27_3
Ic||Hs11_9482_28_31_3
Ic||Hs11_9453_28_14_14
Ic||Hs11_24364_28_3_10
Ic||Hs19_30427_28_1_1
Ic||Hs11_9453_28_47_2
Ic||Hs2_22406_28_1_13
Ic||Hs14_19739_28_67_17
Ic||Hs12_9615_28_67_2
Ic||Hs11_9453_28_47_11
Ic||Hs11_9453_28_47_14
Ic||Hs11_9453_28_14_7
Ic||Hs11_9453_28_14_8
Ic||Hs11_9372_28_32_4
Ic||Hs11_9453_28_47_8
Ic||Hs17_10808_28_25_6
Ic||Hs11_24364_28_3_7
Ic||Hs17_30417_28_19_1
Ic||Hs7_23796_28_45_1
Ic||Hs14_30392_28_7_1
Ic||Hs1_31901_28_1_10
Ic||Hs11_27278_28_3_2
Ic||Hs1_5139_28_12_9
Ic||Hs11_9453_28_47_16
Ic||Hs11_24364_28_1_6
Ic||Hs1_31901_28_1_15
Ic||Hs1_4563_28_1_3
Ic||Hs11_9372_28_34_14
Ic||Hs10_30317_28_1_1

Ic||Hs11_9453_28_48_10
Ic||Hs12_9720_28_58_4
Ic||Hs11_31058_28_5_9
Ic||Hs17_30417_28_29_1
Ic||Hs9_29525_28_42_4
Ic||Hs11_9372_28_25_6
Ic||Hs1_30125_28_1_15
Ic||Hs11_9453_28_14_9
Ic||HsX_28564_28_10_1
Ic||Hs11_9453_28_7_14
Ic||Hs9_29525_28_42_10
Ic||Hs6_7749_28_261_5
Ic||Hs6_7749_28_537_4
Ic||Hs9_8578_28_24_6
Ic||Hs11_9453_28_3_25
Ic||Hs11_9453_28_8_2
Ic||Hs11_9482_28_31_8
Ic||Hs11_9453_28_3_5
Ic||Hs11_9372_28_25_7
Ic||Hs11_9453_28_14_12
Ic||Hs11_9372_28_34_15
Ic||Hs19_11287_28_58_12
Ic||Hs11_24364_28_3_4
Ic||Hs19_25311_28_8_2
Ic||Hs19_25311_28_6_2
Ic||Hs7_23796_28_46_10
Ic||Hs11_9372_28_34_4
Ic||Hs12_9888_28_18_1
Ic||Hs17_29632_28_4_1
Ic||Hs17_30417_28_25_1
Ic||Hs11_9453_28_48_7
Ic||Hs7_23796_28_5_7
Ic||Hs2_30169_28_1_3
Ic||Hs11_9453_28_47_12
Ic||Hs3_22567_28_3_1
Ic||Hs11_9453_28_3_22
Ic||Hs11_31058_28_7_7
Ic||Hs11_31058_28_7_2
Ic||Hs11_9453_28_3_29
Ic||Hs11_31058_28_5_12
Ic||Hs11_9372_28_34_23
Ic||Hs1_31898_28_1_2
Ic||Hs11_9453_28_3_8
Ic||Hs11_9453_28_3_24
Ic||Hs19_25285_28_6_1
Ic||Hs11_9482_28_31_15
Ic||Hs17_30417_28_14_1
Ic||Hs11_9453_28_12_9
Ic||Hs6_7749_28_235_9
Ic||Hs11_28469_28_4_4
Ic||Hs7_7976_28_27_2

Ic||Hs14_19739_28_112_21
Ic||Hs11_24499_28_1_3
Ic||Hs11_28469_28_8_2
Ic||Hs11_9453_28_3_13
Ic||Hs11_28469_28_4_8
Ic||Hs11_31058_28_5_5
Ic||Hs1_4825_28_58_2
Ic||Hs11_9482_28_38_2
Ic||Hs1_4682_28_56_2
Ic||Hs11_24364_28_3_3
Ic||Hs18_28543_28_1_3
Ic||Hs17_30417_28_22_3
Ic||Hs5_7011_28_1_5
Ic||Hs11_24364_28_3_12
Ic||Hs11_9453_28_7_7
Ic||Hs11_27278_28_1_4
Ic||Hs11_9453_28_14_2
Ic||Hs11_28469_28_4_9
Ic||Hs15_10519_28_10_3
Ic||Hs6_7749_28_263_3
Ic||Hs3_6084_28_122_1
Ic||Hs11_24364_28_3_2
Ic||Hs7_23796_28_46_9
Ic||Hs11_9453_28_7_13
Ic||Hs1_5139_28_12_8
Ic||Hs14_19739_28_67_19
Ic||Hs1_5139_28_12_5
Ic||Hs3_22771_28_1_6
Ic||Hs11_24364_28_1_9
Ic||Hs11_9453_28_7_9
Ic||Hs1_30125_28_1_10
Ic||Hs11_9453_28_12_3
Ic||Hs14_19739_28_77_2
Ic||Hs12_9683_28_44_1
Ic||Hs6_7749_28_235_1
Ic||Hs11_24499_28_1_1
Ic||Hs11_9372_28_34_18
Ic||Hs11_9372_28_34_11
Ic||Hs11_28469_28_4_6
Ic||Hs11_24438_28_1_1
Ic||Hs11_27278_28_2_2
Ic||Hs11_24364_28_1_5
Ic||Hs11_9372_28_34_17
Ic||Hs11_9372_28_32_13
Ic||Hs12_9683_28_44_3
Ic||Hs11_9372_28_25_2
Ic||Hs7_31982_28_1_1
Ic||Hs11_9482_28_31_2
Ic||Hs11_9482_28_31_11
Ic||Hs19_25311_28_5_1
Ic||Hs11_28469_28_2_1

Ic||Hs22_28554_28_1_7
Ic||Hs1_5139_28_14_2
Ic||Hs11_9482_28_31_16
Ic||Hs1_5139_28_14_1
Ic||Hs1_31886_28_1_1
Ic||Hs5_6811_28_22_2
Ic||Hs17_30417_28_7_1
Ic||Hs11_9453_28_3_28
Ic||Hs3_22821_28_5_2
Ic||Hs11_28469_28_7_1
Ic||Hs11_9453_28_7_10
Ic||Hs11_9372_28_34_8
Ic||Hs11_9453_28_14_3
Ic||Hs10_25990_28_1_2
Ic||Hs11_28469_28_4_3
Ic||Hs11_9453_28_1_4
Ic||Hs1_30125_28_1_1
Ic||Hs11_9453_28_3_20
Ic||Hs11_9453_28_3_12
Ic||Hs11_9453_28_3_17
Ic||Hs17_30417_28_26_2
Ic||Hs3_5926_28_7_1
Ic||Hs14_19739_28_113_2
Ic||Hs9_8627_28_15_2
Ic||Hs11_9482_28_39_1
Ic||Hs11_9453_28_47_13
Ic||Hs1_30818_28_6_1
Ic||Hs11_9453_28_7_8
Ic||Hs11_9453_28_7_24
Ic||Hs11_9482_28_33_1
Ic||Hs11_9482_28_39_2
Ic||Hs11_31058_28_5_10
Ic||Hs11_9453_28_12_4
Ic||Hs1_5139_28_1_3
Ic||Hs1_30125_28_1_11
Ic||Hs11_28469_28_8_3
Ic||Hs11_24364_28_3_5
Ic||Hs1_4819_28_14_3
Ic||Hs11_9453_28_35_2
Ic||Hs11_9453_28_47_17
Ic||Hs20_11490_28_4_3
Ic||Hs6_7749_28_263_2
Ic||Hs11_9114_28_1_1
Ic||Hs17_30417_28_22_2
Ic||Hs6_7749_28_259_5
Ic||Hs11_28469_28_4_5
Ic||Hs11_24364_28_1_3
Ic||Hs2_22296_28_8_5
Ic||Hs11_24364_28_3_14
Ic||Hs11_24364_28_3_13
Ic||Hs6_7749_28_235_7

Ic||Hs11_9482_28_31_14
Ic||Hs11_9453_28_3_27
Ic||Hs11_9453_28_7_23
Ic||Hs11_9453_28_12_7
Ic||Hs11_31058_28_5_3
Ic||Hs11_31058_28_7_3
Ic||Hs7_23796_28_41_4
Ic||Hs14_10321_28_35_1
Ic||Hs11_9453_28_14_15
Ic||Hs1_5139_28_1_2
Ic||Hs12_24566_28_17_1
Ic||Hs3_22771_28_1_2
Ic||Hs11_24364_28_1_4
Ic||Hs11_28469_28_2_2
Ic||Hs1_31901_28_1_8
Ic||Hs7_23796_28_46_1
Ic||Hs1_5139_28_14_11
Ic||Hs11_9453_28_1_3
Ic||Hs4_28324_28_4_4
Ic||Hs11_9453_28_47_3
Ic||Hs11_9482_28_31_7
Ic||Hs11_9453_28_14_11
Ic||Hs11_31058_28_5_11
Ic||Hs11_9453_28_35_8
Ic||Hs1_4819_28_14_1
Ic||Hs14_19739_28_113_1
Ic||Hs11_24499_28_1_2
Ic||Hs11_9453_28_5_1
Ic||Hs11_9453_28_12_10
Ic||Hs12_9720_28_58_2
Ic||Hs11_9097_28_2_2
Ic||Hs12_9683_28_42_1
Ic||Hs1_31898_28_1_14
Ic||Hs11_28469_28_8_1
Ic||Hs6_7749_28_537_3
Ic||Hs6_7749_28_530_1
Ic||HsX_11943_28_38_9
Ic||Hs1_4563_28_3_1
Ic||Hs11_9453_28_48_9
Ic||Hs2_5577_28_29_4
Ic||Hs11_9453_28_3_19
Ic||Hs6_7749_28_235_8
Ic||Hs11_24364_28_3_9
Ic||Hs1_31901_28_1_16
Ic||Hs11_24325_28_1_4
Ic||Hs3_22603_28_7_1
Ic||Hs3_22771_28_1_5
Ic||Hs11_9372_28_34_5
Ic||Hs7_23796_28_5_4
Ic||Hs2_30169_28_1_1
Ic||Hs9_8627_28_15_12

Ic||Hs11_9482_28_31_18
Ic||Hs15_10519_28_10_2
Ic||Hs1_5139_28_14_12
Ic||Hs6_25897_28_26_3
Ic||Hs19_26076_28_3_6
Ic||Hs11_9453_28_14_17
Ic||Hs9_19655_28_1_9
Ic||Hs5_31972_28_2_1
Ic||Hs9_8578_28_20_3
Ic||Hs11_28469_28_4_2
Ic||Hs2_5585_28_35_4
Ic||Hs1_5139_28_12_7
Ic||Hs11_9482_28_31_13
Ic||Hs1_31901_28_1_13
Ic||Hs6_7749_28_261_3
Ic||Hs6_7749_28_537_5
Ic||Hs1_31886_28_1_2
Ic||Hs7_7973_28_1_2
Ic||Hs1_31874_28_7_1
Ic||Hs13_10067_28_29_1
Ic||Hs11_9372_28_32_12
Ic||HsX_11754_28_15_1
Ic||Hs4_28329_28_1_7
Ic||Hs11_30361_28_19_3
Ic||Hs11_9482_28_7_2
Ic||Hs5_6676_28_7_5
Ic||Hs17_29632_28_5_1
Ic||Hs11_9453_28_48_8
Ic||Hs5_6676_28_7_4
Ic||Hs11_31058_28_5_8
Ic||Hs11_9453_28_48_13
Ic||Hs11_9453_28_7_16
Ic||Hs11_31058_28_5_6
Ic||Hs11_9453_28_3_26
Ic||Hs11_9453_28_3_2
Ic||Hs14_19739_28_112_3
Ic||Hs9_29525_28_42_5
Ic||Hs11_28469_28_4_1
Ic||Hs8_8318_28_1_7
Ic||Hs8_19639_28_36_8
Ic||Hs11_9372_28_34_7
Ic||Hs14_26048_28_54_3
Ic||Hs12_9683_28_46_2
Ic||Hs11_31058_28_7_4
Ic||HsX_11943_28_38_2
Ic||Hs21_11669_28_3_4
Ic||Hs2_5446_28_66_1
Ic||Hs11_9097_28_1_7
Ic||Hs11_9372_28_34_1
Ic||HsX_11943_28_36_1
Ic||Hs7_8001_28_47_1

Ic||Hs14_19739_28_113_3
Ic||Hs1_5139_28_12_1
Ic||Hs12_9859_28_16_10
Ic||Hs11_9114_28_1_3
Ic||Hs14_19739_28_112_16
Ic||Hs14_19739_28_112_19
Ic||Hs9_8578_28_20_1
Ic||Hs1_5139_28_3_1
Ic||Hs9_8627_28_15_8
Ic||Hs1_5139_28_14_3
Ic||Hs11_24438_28_1_3
Ic||Hs6_7749_28_537_6
Ic||Hs8_19639_28_17_4
Ic||Hs8_19639_28_34_10
Ic||Hs11_9482_28_5_5
Ic||Hs11_9097_28_28_3
Ic||Hs6_7569_28_36_2
Ic||Hs3_22603_28_7_2
Ic||Hs3_22771_28_1_4
Ic||Hs13_10109_28_41_4
Ic||Hs7_23717_28_3_3
Ic||Hs12_9859_28_16_4
Ic||Hs1_4640_28_18_3
Ic||Hs11_9482_28_38_3
Ic||Hs14_26048_28_128_7
Ic||Hs6_7749_28_235_5
Ic||Hs11_9482_28_31_5
Ic||Hs9_31994_28_1_2
Ic||Hs9_19655_28_4_3
Ic||Hs18_25230_28_1_5
Ic||Hs19_11287_28_58_4
Ic||Hs11_31058_28_5_2
Ic||Hs11_9453_28_3_14
Ic||Hs4_6494_28_5_5
Ic||Hs11_30361_28_166_3
Ic||Hs11_9372_28_34_12
Ic||Hs1_4825_28_58_1
Ic||Hs15_10519_28_10_6
Ic||Hs11_31058_28_4_1
Ic||Hs11_24364_28_3_8
Ic||Hs1_22033_28_12_1
Ic||Hs11_9453_28_7_20
Ic||Hs5_31972_28_5_1
Ic||Hs11_9149_28_162_4
Ic||Hs3_5835_28_4_2
Ic||Hs13_24680_28_8_6
Ic||Hs19_11447_28_6_1
Ic||Hs11_9453_28_14_6
Ic||Hs1_31898_28_1_16
Ic||Hs11_31058_28_5_7
Ic||Hs11_9453_28_7_25

Ic||Hs2_5494_28_14_4
Ic||Hs14_19739_28_62_2
Ic||Hs11_24364_28_1_1
Ic||Hs11_9453_28_47_5
Ic||Hs11_9453_28_3_30
Ic||Hs3_22567_28_3_2
Ic||Hs15_10431_28_1_5
Ic||Hs11_9219_28_14_2
Ic||Hs2_5168_28_6_5
Ic||Hs17_30417_28_26_1
Ic||Hs2_22406_28_1_7
Ic||Hs7_23796_28_27_2
Ic||Hs17_30417_28_16_1
Ic||Hs11_9453_28_48_5
Ic||Hs11_31058_28_3_1
Ic||Hs11_9453_28_14_19
Ic||Hs5_23400_28_1_4
Ic||Hs2_5585_28_35_1
Ic||Hs14_26048_28_128_6
Ic||Hs7_8001_28_49_1
Ic||Hs11_9453_28_7_12
Ic||Hs11_9463_28_11_1
Ic||Hs6_7749_28_266_1
Ic||Hs15_10519_28_10_5
Ic||Hs6_7749_28_260_1
Ic||Hs19_11287_28_58_9
Ic||Hs15_10431_28_1_6
Ic||Hs21_11669_28_106_2
Ic||Hs15_10519_28_10_19
Ic||Hs15_10519_28_10_15

lc|Un.11900001-12000000.271044.274489
lc|3.64000001-65000000.755982.759837
lc|5.10600001-107000000.740169.754111
lc|Un.49000001-50000000.676734.677408
lc|17.16000001-170000000.817101.838887
lc|2.18000001-180335396.312221.332083
lc|Un.58000001-59000000.519737.522948
lc|7.8000001-9000000.807629.808223
lc|5.10600001-107000000.925656.931358
lc|7.31000001-32000000.892959.895193
lc|17.18000001-190000000.540587.541250
lc|7.75000001-76000000.116751.130186
lc|4.45000001-46000000.512667.522603
lc|7.74000001-75000000.705980.718405
lc|Un.95000001-96000000.726399.729660
lc|Un.98000001-99000000.343262.346521
lc|7.6000001-7000000.861740.879978
lc|7.75000001-76000000.579122.579577
lc|17.18000001-190000000.611216.622354
lc|7.30000001-31000000.979508.983381
lc|7.32000001-33000000.580551.611543
lc|1.19600001-196842934.780828.782590
lc|4.45000001-46000000.553670.570108
lc|17.19000001-200000000.633603.640010
lc|17.19000001-200000000.572954.614622
lc|5.15000001-151000000.828634.853525
lc|17.22000001-230000000.431513.432006
lc|7.75000001-76000000.309133.309588
lc|8.4000001-5000000.444011.444376
lc|5.10700001-108000000.294008.294508
lc|17.17000001-180000000.168391.180171
lc|17.18000001-190000000.34972.120193
lc|17.17000001-180000000.803703.818293
lc|10.23000001-240000000.920184.921221
lc|7.14000001-150000000.263283.264380
lc|10.23000001-240000000.927980.929011
lc|17.19000001-200000000.176861.177877
lc|9.125000001-125583845.298399.299415
lc|8.122000001-123000000.426451.430039
lc|9.125000001-125583845.399175.400245
lc|10.23000001-240000000.856213.857211
lc|14.29000001-300000000.256057.257243
lc|6.125000001-126000000.968528.969682
lc|5.52000001-530000000.762676.770277
lc|10.122000001-123000000.716801.724954
lc|3.59000001-600000000.771011.778750
lc|13.92000001-930000000.949502.964142
lc|14.111000001-112000000.280882.281895
lc|10.128000001-129000000.404678.411284
lc|14.46000001-470000000.854962.857337
lc|Un.43000001-440000000.340562.341638
lc|19.10000001-110000000.274443.278555
lc|10.23000001-240000000.973206.986182
lc|3.68000001-690000000.218388.219448
lc|5.121000001-122000000.964846.965928
lc|X.79000001-800000000.901307.903461
lc|3.59000001-600000000.688822.709056
lc|10.23000001-240000000.892815.907200
lc|11.122000001-122883361.87707.101691
lc|17.17000001-180000000.75824.76878
lc|10.6000001-70000000.680903.682520
lc|12.92000001-930000000.418422.419435
lc|3.59000001-600000000.732808.733887
lc|X.90000001-910000000.8058.9116
lc|2.178000001-179000000.426057.430537
lc|10.23000001-240000000.875168.877133
lc|11.101000001-102000000.950796.951737
lc|3.89000001-900000000.443829.447655
lc|8.66000001-670000000.73578.81107
lc|18.44000001-450000000.452019.452993
lc|17.17000001-180000000.127578.128549
lc|6.123000001-124000000.903150.904430
lc|11.62000001-630000000.677873.698611
lc|6.135000001-136000000.207221.208468
lc|10.23000001-240000000.885039.886070
lc|15.74000001-750000000.151046.152185
lc|12.16000001-170000000.746564.754689
lc|X.57000001-580000000.105218.107303
lc|X.89000001-900000000.939839.940825
lc|6.116000001-117000000.711433.723896
lc|5.121000001-122000000.978969.980000
lc|1.43000001-440000000.551030.552151
lc|12.95000001-960000000.58339.59887
lc|X.90000001-910000000.126614.127621
lc|3.116000001-117000000.47291.48439
lc|5.138000001-139000000.315923.317050
lc|4.24000001-250000000.615001.616110
lc|8.72000001-730000000.291757.293086
lc|14.29000001-300000000.670089.716003
lc|7.23000001-240000000.131484.132443
lc|12.107000001-108000000.131193.134979
lc|14.113000001-114000000.172484.173479
lc|14.57000001-580000000.773603.783098
lc|3.60000001-610000000.660023.671888
lc|13.93000001-940000000.43031.47525
lc|14.46000001-470000000.850890.851972
lc|7.23000001-240000000.95323.96315
lc|1.166000001-167000000.506662.519393
lc|1.93000001-940000000.432287.433210
lc|14.63000001-640000000.955023.968719
lc|13.50000001-510000000.682395.683531
lc|6.88000001-890000000.448602.456243
lc|12.99000001-100000000.832806.833810
lc|3.108000001-109000000.641748.643097
lc|18.68000001-690000000.675235.676212
lc|17.88000001-890000000.322793.323962
lc|12.66000001-670000000.714310.715683
lc|7.11000001-120000000.369754.370788
lc|18.67000001-680000000.193234.203078
lc|9.21000001-220000000.317366.318643
lc|Un.74000001-750000000.857694.858664
lc|12.85000001-860000000.845525.873287
lc|2.173000001-174000000.464605.465576
lc|9.21000001-220000000.34047.35145
lc|1.86000001-870000000.332682.333665

lc|X.79000001-80000000.540177.543666
lc|11.44000001-45000000.196511.197459
lc|4.33000001-34000000.584070.595101
lc|17.88000001-89000000.79789.80932
lc|6.25000001-26000000.625840.645895
lc|12.46000001-47000000.463066.464085
lc|15.10400001-104633288.287989.289091
lc|2.13200001-133000000.561205.568610
lc|4.13000001-131000000.780201.781193
lc|8.12300001-124000000.480810.481757
lc|5.14500001-146000000.533653.534657
lc|10.41000001-42000000.157305.158096
lc|10.24000001-25000000.10063.13869
lc|10.81000001-82000000.873272.874432
lc|X.40000001-41000000.572022.593105
lc|4.13300001-134000000.503959.510312
lc|6.29000001-30000000.367411.369056
lc|6.11300001-114000000.391096.392295
lc|7.13100001-132000000.545752.548575
lc|17.12000001-13000000.282315.283289
lc|X.54000001-55000000.895715.897279
lc|15.5000001-60000000.55104.69764
lc|X.12900001-130000000.354839.355960
lc|1.13200001-133000000.438922.439908
lc|4.13000001-131000000.144971.145996
lc|X.57000001-58000000.343882.354853
lc|X.34000001-35000000.322400.323407
lc|X.89000001-90000000.409727.418438
lc|12.25000001-26000000.808424.809692
lc|3.59000001-60000000.739568.764130
lc|9.15000001-16000000.843564.844480
lc|10.23000001-24000000.935516.936594
lc|13.21000001-22000000.82651.103168
lc|10.23000001-24000000.949049.963888
lc|11.56000001-57000000.531897.533228
lc|8.83000001-84000000.359263.361114
lc|3.10600001-107000000.389205.392300
lc|1.13600001-137000000.25145.41025
lc|5.26000001-27000000.325761.327773
lc|7.12000001-130000000.46401.48730
lc|9.12100001-122000000.313060.313776
lc|6.13000001-140000000.625048.661694
lc|19.6000001-70000000.670083.681343
lc|2.37000001-38000000.904628.956396
lc|7.23000001-24000000.137262.138164
lc|2.11000001-111000000.905741.968101
lc|1.86000001-87000000.787605.790344
lc|6.43000001-44000000.423189.424130
lc|6.43000001-44000000.438548.439495
lc|13.73000001-74000000.140369.141650
lc|17.12000001-13000000.292397.318531
lc|7.38000001-39000000.70731.72795
lc|7.38000001-39000000.172964.173980
lc|6.43000001-44000000.114721.115590
lc|Un.25000001-26000000.435285.436238
lc|15.44000001-45000000.377287.395558
lc|3.80000001-81000000.318026.326859
lc|11.49000001-50000000.914948.929936
lc|8.77000001-78000000.228479.258499
lc|10.81000001-82000000.807267.809495
lc|10.11500001-116000000.668694.674563
lc|4.13600001-137000000.700978.701697
lc|Un.41000001-42000000.562545.563333
lc|7.12100001-122000000.944762.954395
lc|4.42000001-43000000.530963.541244
lc|7.36000001-37000000.830537.831478
lc|17.37000001-38000000.183052.188328
lc|19.11000001-12000000.543018.558779
lc|1.13500001-136000000.855409.862502
lc|14.36000001-37000000.785221.813194
lc|17.17000001-18000000.25613.26482
lc|7.38000001-39000000.105630.106677
lc|11.59000001-60000000.3433.13977
lc|Un.12000001-13000000.22950.23888
lc|7.37000001-38000000.188463.189395
lc|Un.47000001-48000000.915177.916118
lc|7.37000001-38000000.585603.596544
lc|7.13500001-135793178.775849.776760
lc|19.11000001-12000000.572073.572942
lc|9.11200001-113000000.165335.166209
lc|7.38000001-39000000.299709.300686
lc|17.36000001-37000000.254535.255473

lc|4.116000001-11700000.756043.795938
lc|6.430000001-44000000.395847.396716
lc|7.370000001-38000000.166827.167768
lc|18.420000001-43000000.733848.735270
lc|1.122000001-123000000.261353.262036
lc|11.490000001-50000000.669883.704738
lc|18.620000001-63000000.732729.769926
lc|11.590000001-60000000.316713.317810
lc|16.190000001-20000000.309843.310787
lc|14.90000001-10000000.631766.632719
lc|2.112000001-113000000.222490.223431
lc|7.360000001-37000000.905661.917515
lc|2.900000001-91000000.398517.399461
lc|11.49000001-50000000.625038.625991
lc|6.430000001-44000000.388857.389789
lc|11.59000001-60000000.64636.74987
lc|13.21000001-22000000.127286.128227
lc|7.108000001-109000000.792064.819566
lc|11.49000001-50000000.489466.490458
lc|1.126000001-127000000.465046.465901
lc|6.430000001-44000000.68520.100518
lc|10.130000001-131000000.635206.640905
lc|7.890000001-90000000.531346.532296
lc|11.74000001-75000000.543140.544117
lc|17.37000001-38000000.214755.215699
lc|17.17000001-18000000.95933.96673
lc|4.42000001-43000000.633958.656317
lc|2.113000001-114000000.76355.77341
lc|14.32000001-33000000.143475.154158
lc|7.134000001-135000000.223169.243847
lc|7.96000001-97000000.484839.485792
lc|2.91000001-92000000.304766.319980
lc|11.115000001-116000000.705944.713765
lc|17.36000001-37000000.618927.620069
lc|11.51000001-52000000.444791.445751
lc|17.36000001-37000000.962921.963883
lc|7.135000001-135793178.762096.763079
lc|2.112000001-113000000.951516.973401
lc|14.42000001-43000000.929402.935866
lc|14.42000001-43000000.379532.380508
lc|7.96000001-97000000.700727.701671
lc|13.20000001-21000000.556353.557306
lc|7.96000001-97000000.233733.250289
lc|8.84000001-85000000.928554.940538
lc|11.59000001-60000000.48363.49310
lc|14.44000001-45000000.232291.236425
lc|10.79000001-80000000.64188.65143
lc|7.96000001-97000000.497325.498278
lc|4.51000001-52000000.788922.789875
lc|13.20000001-21000000.496221.497099
lc|2.89000001-90000000.944670.950282
lc|11.59000001-60000000.186097.187080
lc|10.130000001-131000000.321417.322373
lc|7.98000001-99000000.430900.431869
lc|16.19000001-20000000.352133.353074
lc|11.74000001-75000000.979988.980926
lc|14.44000001-45000000.356933.357874
lc|9.39000001-40000000.122926.147331
lc|7.96000001-97000000.669130.670035
lc|2.112000001-113000000.592940.613326
lc|17.36000001-37000000.330278.331219
lc|9.40000001-41000000.269080.287714
lc|17.37000001-38000000.414807.415745
lc|6.43000001-44000000.40334.41269
lc|11.74000001-75000000.390443.391378
lc|2.900000001-91000000.332954.333871
lc|14.44000001-45000000.329996.330928
lc|14.42000001-43000000.242295.263886
lc|19.13000001-14000000.340807.341754
lc|11.58000001-59000000.958333.971764
lc|7.98000001-99000000.454074.455042
lc|4.116000001-117000000.710870.711829
lc|11.59000001-60000000.145127.146098
lc|4.51000001-52000000.733132.734085
lc|11.74000001-75000000.879520.880491
lc|11.74000001-75000000.814844.815785
lc|13.20000001-21000000.539424.540377
lc|17.36000001-37000000.188491.189424
lc|11.73000001-74000000.896155.897099
lc|11.74000001-75000000.902028.902999
lc|7.97000001-98000000.387490.388410
lc|2.91000001-92000000.23494.24423

lcl|Un.13000001-13100000.751222.752151
lcl|19.13000001-14000000.309083.310030
lcl|19.11000001-12000000.354067.358542
lcl|11.49000001-50000000.510971.511918
lcl|19.12000001-13000000.484577.486296
lcl|7.98000001-99000000.412777.413709
lcl|10.13000001-131000000.31381.32340
lcl|9.38000001-39000000.297297.309507
lcl|11.59000001-60000000.262641.263624
lcl|11.30000001-31000000.858140.859762
lcl|2.91000001-92000000.229652.230607
lcl|3.87000001-89000000.726447.743990
lcl|4.57000001-58000000.698234.699235
lcl|10.79000001-80000000.473897.474869
lcl|1.93000001-94000000.65648.79802
lcl|3.15200001-153000000.402892.421057
lcl|2.36000001-37000000.878314.879252
lcl|Un.29000001-30000000.141245.142198
lcl|2.91000001-92000000.10181.11056
lcl|7.96000001-97000000.416204.417163
lcl|1.17500001-176000000.760196.761173
lcl|3.10700001-108000000.315506.316453
lcl|11.73000001-74000000.971703.976774
lcl|10.79000001-80000000.426429.441153
lcl|7.74000001-75000000.627057.628004
lcl|2.36000001-37000000.846443.847372
lcl|11.60000001-61000000.106882.107838
lcl|7.98000001-99000000.466241.467242
lcl|15.99000001-100000000.222667.223626
lcl|7.13000001-131000000.690429.691391
lcl|2.91000001-92000000.57004.57936
lcl|7.13000001-131000000.616890.617804
lcl|19.13000001-14000000.328767.329726
lcl|11.59000001-60000000.117480.118446
lcl|11.74000001-75000000.490211.495669
lcl|9.40000001-41000000.216199.217131
lcl|7.36000001-37000000.790117.808316
lcl|4.11600001-117000000.655478.656425
lcl|7.13000001-131000000.371623.372561
lcl|9.20000001-21000000.235913.236848
lcl|7.95000001-96000000.96889.97836
lcl|11.49000001-50000000.904862.905818
lcl|X.36000001-37000000.9666.10610
lcl|6.42000001-43000000.946777.947730
lcl|7.74000001-75000000.567013.567996
lcl|11.73000001-74000000.955071.956015
lcl|6.43000001-44000000.456611.457408
lcl|11.49000001-50000000.536955.537929
lcl|10.79000001-80000000.303030.303996
lcl|13.20000001-21000000.565586.566530
lcl|17.36000001-37000000.933382.934329
lcl|7.96000001-97000000.719091.720035
lcl|7.13000001-131000000.386895.387755
lcl|7.98000001-99000000.342568.343497
lcl|4.42000001-43000000.689275.690234
lcl|7.13000001-131000000.551903.552817
lcl|17.36000001-37000000.315593.316462
lcl|2.87000001-88000000.103739.104683
lcl|4.11600001-117000000.587842.588789
lcl|2.36000001-37000000.953738.954676
lcl|7.5000001-6000000.889964.890917
lcl|19.12000001-13000000.392663.393622
lcl|1.93000001-94000000.34269.43305
lcl|1.17500001-176000000.377863.378897
lcl|2.86000001-87000000.312043.312972
lcl|8.71000001-72000000.441064.442008
lcl|7.96000001-97000000.457272.458222
lcl|2.36000001-37000000.905283.906224
lcl|9.40000001-41000000.193731.194597
lcl|14.41000001-42000000.993832.994835
lcl|6.42000001-43000000.992316.993269
lcl|2.90000001-91000000.962391.963320
lcl|8.71000001-72000000.487117.488061
lcl|2.89000001-90000000.886989.887918
lcl|6.42000001-43000000.663218.664159
lcl|7.13000001-131000000.412627.413583
lcl|14.41000001-42000000.943853.943899
lcl|2.86000001-87000000.925998.926930
lcl|9.40000001-41000000.187281.188147
lcl|13.21000001-22000000.34494.35420
lcl|7.96000001-97000000.444697.445647
lcl|2.37000001-38000000.119816.120745

lc|6.117000001-11800000.276166.284969
lc|2.90000001-91000000.452493.453410
lc|2.112000001-113000000.493519.494484
lc|11.74000001-75000000.564080.565027
lc|2.90000001-91000000.188942.188977
lc|16.19000001-20000000.228573.229511
lc|6.42000001-43000000.689399.690337
lc|4.116000001-117000000.563810.564757
lc|1.93000001-94000000.18979.19950
lc|9.19000001-20000000.357018.357956
lc|1.175000001-176000000.445160.446134
lc|19.11000001-120000000.592819.593763
lc|5.138000001-139000000.282400.305219
lc|16.3000001-4000000.287084.288022
lc|10.129000001-130000000.823906.824841
lc|4.42000001-43000000.670496.671452
lc|14.45000001-46000000.372361.373302
lc|19.13000001-14000000.257453.287193
lc|1.176000001-177000000.977590.986820
lc|15.99000001-100000000.250104.253331
lc|2.37000001-38000000.704343.705284
lc|9.40000001-41000000.146385.147248
lc|11.59000001-60000000.224382.225302
lc|2.88000001-89000000.897828.911458
lc|4.42000001-43000000.594368.605958
lc|7.96000001-97000000.324262.325197
lc|7.5000001-6000000.813946.815884
lc|15.99000001-100000000.117625.128402
lc|1.175000001-176000000.425533.429892
lc|9.37000001-38000000.910485.911414
lc|2.87000001-88000000.149721.150671
lc|9.40000001-41000000.152537.153406
lc|Un.49000001-50000000.616875.618522
lc|14.42000001-43000000.130976.131902
lc|17.36000001-37000000.196192.202811
lc|9.40000001-41000000.170427.171296
lc|2.37000001-38000000.68595.69530
lc|19.13000001-14000000.178464.179411
lc|10.130000001-131000000.151466.152434
lc|7.97000001-98000000.682751.689848
lc|2.91000001-92000000.113615.115874
lc|2.86000001-87000000.326414.327358
lc|2.37000001-38000000.633520.634458
lc|15.99000001-100000000.97023.99437
lc|14.41000001-42000000.740298.741224
lc|7.98000001-99000000.210099.211049
lc|2.37000001-38000000.345693.346646
lc|11.88000001-89000000.576751.577692
lc|11.74000001-75000000.194540.195478
lc|7.97000001-98000000.667815.669254
lc|9.49000001-50000000.689237.694533
lc|11.74000001-75000000.653306.654241
lc|2.88000001-89000000.595338.622315
lc|8.71000001-72000000.496863.497804
lc|4.57000001-58000000.396149.400310
lc|17.36000001-37000000.880911.924610
lc|X.35000001-36000000.301060.302049
lc|15.99000001-100000000.136793.142862
lc|11.74000001-75000000.720901.725517
lc|19.12000001-13000000.466620.467564
lc|7.13000001-131000000.589165.602788
lc|5.142000001-143000000.263831.264934
lc|Un.127000001-128000000.735298.736215
lc|7.13000001-131000000.939134.940066
lc|2.91000001-92000000.268885.269802
lc|9.39000001-40000000.167859.168785
lc|2.37000001-38000000.165848.166786
lc|2.90000001-91000000.924827.925732
lc|2.112000001-113000000.236423.237364
lc|15.99000001-100000000.361343.368236
lc|10.13000001-131000000.259144.260076
lc|11.51000001-52000000.404469.405392
lc|11.59000001-60000000.206548.207468
lc|9.38000001-39000000.147922.174913
lc|11.74000001-75000000.747984.748931
lc|7.5000001-6000000.855765.856676
lc|11.74000001-75000000.583136.586729
lc|2.37000001-38000000.583379.584302
lc|2.86000001-87000000.738677.739612
lc|10.13000001-131000000.695813.611835
lc|17.37000001-38000000.199757.200665
lc|8.69000001-70000000.221781.222522

lc|2.36000001-37000000.994690.995613
lc|2.89000001-90000000.864848.867071
lc|Un.69000001-70000000.57803.58735
lc|7.97000001-98000000.889845.928984
lc|17.37000001-38000000.80358.81329
lc|17.36000001-37000000.301157.305245
lc|19.11000001-12000000.950348.951304
lc|14.42000001-43000000.148042.148968
lc|1.175000001-176000000.397688.398626
lc|2.112000001-113000000.373547.379175
lc|Un.49000001-50000000.386108.387040
lc|14.44000001-45000000.253322.254279
lc|15.99000001-10000000.287462.288391
lc|2.87000001-88000000.676532.677467
lc|9.38000001-39000000.242799.243728
lc|7.130000001-131000000.900683.901618
lc|9.76000001-77000000.917501.929959
lc|2.86000001-87000000.961923.962855
lc|10.130000001-131000000.733183.734121
lc|14.44000001-45000000.273428.274384
lc|13.20000001-21000000.960622.964902
lc|2.91000001-92000000.196502.199837
lc|7.5000001-6000000.943078.944004
lc|7.93000001-94000000.11799.12737
lc|7.76000001-77000000.193101.194093
lc|19.13000001-14000000.3584.4560
lc|2.89000001-90000000.899648.900571
lc|7.93000001-94000000.723600.724559
lc|2.87000001-88000000.17929.33753
lc|Un.48000001-49000000.380224.381156
lc|7.92000001-93000000.997911.998884
lc|7.130000001-131000000.640057.640973
lc|11.114000001-115000000.537142.537846
lc|2.89000001-90000000.763699.791702
lc|17.36000001-37000000.782715.783623
lc|10.130000001-131000000.441273.442211
lc|11.51000001-52000000.426410.427333
lc|15.99000001-10000000.410024.410956
lc|9.39000001-40000000.9161.22207
lc|16.3000001-40000000.39119.40060
lc|2.37000001-38000000.220919.221860
lc|9.39000001-40000000.48234.49160
lc|11.51000001-52000000.386341.389729
lc|11.93000001-94000000.536852.54620
lc|11.60000001-61000000.125228.126187
lc|2.37000001-38000000.288719.289657
lc|19.13000001-14000000.145749.146696
lc|Un.114000001-115000000.793811.794758
lc|15.99000001-10000000.346214.347140
lc|Un.42000001-43000000.48462.49382
lc|16.59000001-60000000.585730.586650
lc|11.88000001-89000000.555037.555972
lc|2.87000001-88000000.383961.384902
lc|9.38000001-39000000.290200.291129
lc|7.5000001-6000000.876856.877767
lc|19.13000001-14000000.61676.89822
lc|2.112000001-113000000.245704.246621
lc|11.74000001-75000000.643809.644756
lc|2.86000001-87000000.838193.844108
lc|10.79000001-80000000.491526.492344
lc|9.19000001-20000000.371544.372482
lc|7.96000001-97000000.376947.377897
lc|7.94000001-95000000.758626.759564
lc|10.129000001-130000000.713249.714896
lc|7.95000001-96000000.104408.105376
lc|11.74000001-75000000.961952.970387
lc|2.91000001-92000000.348025.348980
lc|7.97000001-98000000.639615.640553
lc|2.90000001-91000000.375636.376553
lc|19.12000001-13000000.211299.212237
lc|4.51000001-52000000.813610.814461
lc|11.59000001-60000000.364675.365601
lc|2.87000001-88000000.63652.64611
lc|13.20000001-21000000.996979.997923
lc|2.87000001-88000000.114030.114989
lc|1.175000001-176000000.467009.468096
lc|Un.116000001-117000000.19211.20167
lc|7.98000001-99000000.112072.117460
lc|7.98000001-99000000.301211.302038
lc|19.12000001-13000000.574768.575691
lc|2.86000001-87000000.871160.872008
lc|11.59000001-60000000.347518.348444

lc|2.90000001-91000000.528961.529881
lc|7.97000001-98000000.605588.608996
lc|7.93000001-94000000.284840.285811
lc|2.89000001-90000000.363380.368513
lc|19.11000001-12000000.711979.712971
lc|2.88000001-89000000.86830.87768
lc|Un.51000001-52000000.608361.609317
lc|9.39000001-40000000.515545.516510
lc|9.39000001-40000000.174292.175224
lc|10.13000001-131000000.78395.79333
lc|7.13000001-131000000.719740.720672
lc|9.39000001-40000000.41296.42212
lc|19.13000001-14000000.447525.448486
lc|2.87000001-88000000.288865.289806
lc|2.87000001-88000000.72217.79589
lc|6.43000001-44000000.159873.160757
lc|10.13000001-131000000.374297.375232
lc|Un.49000001-50000000.632113.633042
lc|2.86000001-87000000.685236.692936
lc|2.86000001-87000000.674768.675703
lc|7.93000001-94000000.305841.306812
lc|7.13000001-131000000.952482.953417
lc|10.13000001-131000000.356571.357515
lc|13.20000001-21000000.978496.979476
lc|2.37000001-38000000.766237.767220
lc|19.12000001-13000000.205414.206334
lc|7.13000001-131000000.915499.916458
lc|7.94000001-95000000.946996.947991
lc|2.89000001-90000000.425462.447298
lc|11.74000001-75000000.417708.418646
lc|17.36000001-37000000.467446.468374
lc|Un.92000001-93000000.701478.702413
lc|2.37000001-38000000.441930.442856
lc|2.87000001-88000000.953439.954413
lc|7.92000001-93000000.499600.500574
lc|Un.81000001-82000000.891888.892844
lc|7.94000001-95000000.335472.336466
lc|14.41000001-42000000.929537.930599
lc|7.98000001-99000000.200346.201319
lc|9.19000001-20000000.315782.316715
lc|9.39000001-40000000.475103.480598
lc|2.90000001-91000000.600090.601007
lc|7.98000001-99000000.4006.4950
lc|10.13000001-131000000.113257.114195
lc|9.38000001-39000000.447976.454744
lc|14.65000001-66000000.560481.563926
lc|7.93000001-94000000.850702.860929
lc|2.91000001-92000000.99291.100097
lc|2.90000001-91000000.46871.57617
lc|10.13000001-131000000.497537.498358
lc|1.92000001-93000000.955477.956415
lc|9.39000001-40000000.448512.449471
lc|10.12900001-130000000.666349.667278
lc|2.88000001-89000000.322583.323617
lc|7.96000001-97000000.526787.542906
lc|10.12900001-130000000.729255.730184
lc|9.20000001-21000000.364691.365650
lc|10.13000001-131000000.333693.350417
lc|9.38000001-39000000.228700.229629
lc|19.12000001-13000000.451247.452191
lc|11.74000001-75000000.509330.510268
lc|1.17500001-176000000.359018.359956
lc|9.39000001-40000000.374137.379209
lc|17.36000001-37000000.419911.443349
lc|1.17500001-176000000.350595.351539
lc|9.40000001-41000000.199490.200320
lc|7.75000001-76000000.996104.997102
lc|17.37000001-38000000.51034.51960
lc|9.38000001-39000000.266332.267261
lc|1.74000001-75000000.994843.995829
lc|11.59000001-60000000.361574.362500
lc|9.39000001-40000000.918015.918953
lc|2.87000001-88000000.493650.494591
lc|9.38000001-39000000.622716.623651
lc|4.11600001-117000000.636413.637360
lc|9.39000001-40000000.584725.591984
lc|7.93000001-94000000.354772.355728
lc|6.43000001-44000000.19886.20818
lc|9.38000001-39000000.595258.596202
lc|7.93000001-94000000.114684.115628
lc|Un.13000001-131000000.606545.607375
lc|9.38000001-39000000.207284.208213

lc|9.39000001-40000000.884815.901553
lc|7.98000001-99000000.255869.256842
lc|Un.77000001-78000000.832066.833016
lc|7.92000001-93000000.444120.445079
lc|2.91000001-92000000.80423.81337
lc|9.39000001-40000000.406399.407334
lc|10.13000001-131000000.176928.177767
lc|19.12000001-13000000.418943.422278
lc|2.90000001-91000000.441129.441968
lc|2.86000001-87000000.342462.356316
lc|11.49000001-50000000.337776.938711
lc|2.87000001-88000000.361566.362515
lc|11.59000001-60000000.308849.308646
lc|9.39000001-40000000.709464.710399
lc|2.36000001-37000000.733566.734417
lc|7.97000001-98000000.949209.950153
lc|19.13000001-14000000.398476.409817
lc|2.87000001-88000000.984749.987306
lc|9.38000001-39000000.73619.100162
lc|9.19000001-20000000.584741.585679
lc|Un.60000001-61000000.980925.981869
lc|7.96000001-97000000.361900.362815
lc|X.35000001-36000000.348905.349933
lc|2.87000001-88000000.703104.704045
lc|7.93000001-94000000.504397.511851
lc|9.40000001-41000000.72505.73449
lc|1.17400001-175000000.516254.517195
lc|7.92000001-93000000.527666.539654
lc|7.93000001-94000000.657090.658025
lc|7.94000001-95000000.673321.674190
lc|14.95000001-96000000.8535.36393
lc|7.93000001-94000000.979575.980525
lc|19.12000001-13000000.960322.961251
lc|7.98000001-99000000.479123.480076
lc|2.37000001-38000000.366042.378816
lc|11.74000001-75000000.949598.950431
lc|9.40000001-41000000.10447.20058
lc|2.88000001-89000000.778003.778947
lc|19.13000001-14000000.354852.375779
lc|2.88000001-89000000.998837.999781
lc|2.87000001-88000000.92295.93236
lc|9.39000001-40000000.682870.683814
lc|1.17400001-175000000.257480.258409
lc|3.36000001-37000000.55540.65196
lc|2.88000001-89000000.58923.59861
lc|2.88000001-89000000.922275.923231
lc|7.94000001-95000000.822192.832475
lc|14.36000001-37000000.667384.668236
lc|9.39000001-40000000.428279.429214
lc|19.13000001-14000000.213847.214812
lc|7.93000001-94000000.869166.870110
lc|2.86000001-87000000.700946.701884
lc|3.14600001-147000000.776375.777131
lc|9.39000001-40000000.186814.187740
lc|1.17500001-176000000.408106.409053
lc|2.86000001-87000000.764393.767517
lc|19.12000001-13000000.913878.925137
lc|7.97000001-98000000.792170.793143
lc|7.92000001-93000000.570666.582310
lc|7.93000001-94000000.106802.107749
lc|6.42000001-43000000.674391.679742
lc|6.40000001-41000000.770894.772602
lc|11.59000001-60000000.62998.63816
lc|11.74000001-75000000.438331.451343
lc|4.14700001-148000000.687727.692191
lc|7.97000001-98000000.835345.836289
lc|10.13000001-131000000.221380.222231
lc|7.92000001-93000000.794493.795404
lc|7.94000001-95000000.300127.301068
lc|2.90000001-91000000.896960.897832
lc|7.94000001-95000000.366480.367445
lc|7.13000001-131000000.730628.731439
lc|7.92000001-93000000.302901.309574
lc|7.13000001-131000000.560548.562016
lc|7.92000001-93000000.738232.739200
lc|13.19000001-20000000.157110.172851
lc|7.93000001-94000000.885213.886238
lc|19.12000001-13000000.415655.416599
lc|7.98000001-99000000.50560.51561
lc|7.93000001-94000000.688598.689521
lc|1.17400001-175000000.571385.572317
lc|16.19000001-20000000.24602.25419

lc|7.97000001-98000000.674411.677945
lc|2.89000001-90000000.346441.347374
lc|7.76000001-77000000.312059.312988
lc|19.11000001-12000000.519885.520682
lc|7.33000001-34000000.819053.835374
lc|6.10000001-10100000.527583.528488
lc|7.95000001-96000000.132482.136571
lc|10.129000001-130000000.977998.978876
lc|2.87000001-88000000.130683.131575
lc|19.11000001-12000000.582921.583721
lc|19.11000001-12000000.755096.756034
lc|2.89000001-90000000.802328.803227
lc|7.93000001-94000000.214889.219295
lc|10.79000001-80000000.335142.335972
lc|7.93000001-94000000.309558.323240
lc|2.89000001-90000000.19589.20539
lc|7.92000001-93000000.784028.784963
lc|3.158000001-15900000.178344.179171
lc|2.90000001-91000000.474125.474961
lc|9.39000001-40000000.210926.211861
lc|7.92000001-93000000.470655.471503
lc|2.90000001-91000000.283587.284399
lc|7.93000001-94000000.227213.228177
lc|7.92000001-93000000.489130.490077
lc|19.11000001-12000000.819641.822464
lc|4.116000001-117000000.680531.684491
lc|7.93000001-94000000.806492.807442
lc|Un.68000001-69000000.643478.644515
lc|7.93000001-94000000.36952.45254
lc|19.11000001-12000000.287367.339916
lc|7.92000001-93000000.310157.311161
lc|7.93000001-94000000.816113.820314
lc|2.86000001-87000000.901984.910768
lc|1.174000001-17500000.500891.504900
lc|2.86000001-87000000.589677.590615
lc|8.83000001-84000000.224703.237060
lc|9.38000001-39000000.891107.892054
lc|16.19000001-20000000.149988.150805
lc|2.89000001-90000000.852241.853055
lc|2.86000001-87000000.714766.715695
lc|7.92000001-93000000.542895.546730
lc|7.92000001-93000000.552972.553928
lc|7.94000001-95000000.909343.910326
lc|7.76000001-77000000.122646.140712
lc|7.93000001-94000000.97206.98165
lc|Un.44000001-45000000.890452.891411
lc|9.38000001-39000000.865963.866901
lc|7.94000001-95000000.394191.397146
lc|7.92000001-93000000.434469.435422
lc|Un.135000001-136000000.735890.736701
lc|7.134000001-135000000.207022.207891
lc|7.76000001-77000000.390112.391005
lc|9.39000001-40000000.660035.660949
lc|2.86000001-87000000.578940.579893
lc|9.39000001-40000000.249544.268228
lc|9.40000001-41000000.106668.107591
lc|7.130000001-131000000.529664.539665
lc|7.93000001-94000000.525238.526197
lc|9.39000001-40000000.922747.950109
lc|2.88000001-89000000.584977.585903
lc|7.93000001-94000000.89130.90077
lc|19.11000001-12000000.649709.657896
lc|7.92000001-93000000.912001.912960
lc|1.174000001-17500000.433197.434129
lc|7.92000001-93000000.813238.814179
lc|2.86000001-87000000.562825.563778
lc|7.95000001-96000000.81642.82604
lc|7.94000001-95000000.385464.386427
lc|7.93000001-94000000.441027.441953
lc|19.37000001-38000000.744355.745007
lc|10.129000001-130000000.837096.837965
lc|2.89000001-90000000.931877.932803
lc|19.13000001-14000000.11379.13355
lc|16.59000001-60000000.92944.93870
lc|16.59000001-60000000.423957.424883
lc|5.149000001-150000000.315952.320459
lc|7.94000001-95000000.681814.682770
lc|4.42000001-43000000.616438.617277
lc|7.94000001-95000000.311519.312466
lc|9.40000001-41000000.38853.39749
lc|2.88000001-89000000.578624.579553
lc|9.39000001-40000000.970706.971590

lc|2.90000001-91000000.224120.224932
lc|16.59000001-60000000.465343.481576
lc|7.94000001-95000000.327333.328743
lc|7.92000001-93000000.319254.320716
lc|7.92000001-93000000.924234.925181
lc|7.94000001-95000000.440080.441039
lc|7.94000001-95000000.455633.456667
lc|2.90000001-91000000.88199.88993
lc|7.93000001-94000000.536948.537898
lc|7.95000001-96000000.53333.54298
lc|1.175000001-176000000.558509.561991
lc|6.117000001-118000000.372457.373389
lc|16.59000001-60000000.141841.159727
lc|11.49000001-50000000.844802.855939
lc|7.93000001-94000000.381929.382870
lc|Un.91000001-92000000.976593.977405
lc|2.90000001-91000000.201717.202532
lc|7.93000001-94000000.750772.751800
lc|2.88000001-89000000.489329.498515
lc|7.92000001-93000000.716543.717382
lc|7.94000001-95000000.637739.638689
lc|7.95000001-96000000.40806.41698
lc|7.93000001-94000000.772202.773149
lc|1.174000001-175000000.484054.484986
lc|7.92000001-93000000.756993.757949
lc|6.41000001-42000000.963226.964047
lc|7.37000001-38000000.803422.819549
lc|7.92000001-93000000.603116.604060
lc|2.88000001-89000000.483360.484283
lc|7.98000001-99000000.148208.149168
lc|Un.51000001-52000000.617445.618295
lc|2.91000001-92000000.71521.72330
lc|7.96000001-97000000.260587.286337
lc|7.94000001-95000000.797870.798823
lc|2.90000001-91000000.682869.694931
lc|7.93000001-94000000.795784.796731
lc|4.116000001-117000000.818638.822622
lc|7.94000001-95000000.843197.848632
lc|10.130000001-131000000.864108.864885
lc|11.51000001-52000000.465853.466777
lc|7.96000001-97000000.301266.313743
lc|Un.41000001-42000000.882787.883568
lc|4.116000001-117000000.835786.836734
lc|7.93000001-94000000.487202.503431
lc|7.93000001-94000000.126613.127826
lc|7.97000001-98000000.752157.753082
lc|1.135000001-136000000.69314.70745
lc|7.93000001-94000000.209164.210159
lc|11.51000001-52000000.407052.412464
lc|17.36000001-37000000.487921.500743
lc|7.98000001-99000000.218417.219211
lc|7.93000001-94000000.840983.841921
lc|9.39000001-40000000.238678.239481
lc|11.49000001-50000000.886963.887742
lc|4.116000001-117000000.628314.629078
lc|11.74000001-75000000.375457.380827
lc|10.129000001-130000000.956619.967678
lc|10.62000001-63000000.277682.284787
lc|16.59000001-60000000.536734.537506
lc|2.88000001-89000000.22687.23470
lc|4.116000001-117000000.570902.571826
lc|2.86000001-87000000.243417.244295
lc|13.19000001-20000000.134432.135331
lc|2.86000001-87000000.636751.637581
lc|7.94000001-95000000.879379.880200
lc|6.125000001-126000000.748128.748994
lc|4.145000001-146000000.480594.495248
lc|11.88000001-89000000.559616.560443
lc|1.92000001-93000000.923678.924618
lc|2.86000001-87000000.265532.266332
lc|10.130000001-131000000.822853.824256
lc|2.90000001-91000000.339252.343728
lc|7.93000001-94000000.732286.733096
lc|4.116000001-117000000.607748.612766
lc|2.37000001-38000000.518734.523168
lc|2.87000001-88000000.756982.757752
lc|2.112000001-113000000.418277.438242
lc|17.36000001-37000000.580147.587664
lc|2.91000001-92000000.188451.189221
lc|5.89000001-90000000.220623.221448
lc|14.42000001-43000000.519191.520145
lc|7.92000001-93000000.706584.707399

lc|2.87000001-88000000.188138.209395
lc|10.129000001-130000000.658896.659690
lc|14.42000001-43000000.551680.576748
lc|19.35000001-36000000.680631.688813
lc|7.97000001-98000000.654753.658312
lc|7.92000001-93000000.868072.878730
lc|11.74000001-75000000.268165.268836
lc|7.94000001-95000000.923128.923946
lc|6.43000001-44000000.337532.338257
lc|7.94000001-95000000.712371.722990
lc|7.92000001-93000000.417993.418808
lc|10.130000001-131000000.276772.277505
lc|2.91000001-92000000.92966.93985
lc|Un.83000001-84000000.950109.955628
lc|2.87000001-88000000.310851.311723
lc|Un.120000001-121000000.733957.734870
lc|Un.138000001-139000000.130549.131462
lc|2.89000001-90000000.415342.416111
lc|11.49000001-50000000.651835.658426
lc|1.92000001-93000000.934820.935766
lc|10.14000001-15000000.659700.663558
lc|Un.73000001-74000000.971576.972489
lc|11.49000001-50000000.716918.717679
lc|1.175000001-176000000.450884.460766
lc|7.94000001-95000000.852673.854812
lc|19.11000001-12000000.715536.716357
lc|Un.142000001-143000000.746333.747223
lc|10.129000001-130000000.809920.810674
lc|10.75000001-76000000.729591.730478
lc|2.178000001-179000000.854167.869474
lc|7.130000001-131000000.765169.765939
lc|7.97000001-98000000.628960.629814
lc|17.36000001-37000000.336768.337517
lc|Un.73000001-74000000.57389.58302
lc|Un.132000001-133000000.238597.239361
lc|X.140000001-141000000.677396.683785
lc|11.59000001-60000000.101035.102234
lc|Un.41000001-42000000.345720.346633
lc|19.13000001-14000000.28035.28790
lc|2.89000001-90000000.521640.522390
lc|3.63000001-64000000.157359.167007
lc|1.175000001-176000000.737882.742954
lc|2.86000001-87000000.776155.781552
lc|15.99000001-100000000.382333.384475
lc|2.90000001-91000000.126574.145139
lc|10.130000001-131000000.299029.312444
lc|7.93000001-94000000.331175.331921
lc|14.90000001-100000000.711076.711843
lc|9.19000001-20000000.538653.539274
lc|3.59000001-60000000.652008.652651
lc|17.36000001-37000000.733407.736404
lc|19.35000001-36000000.600600.601295
lc|17.36000001-37000000.712968.713644
lc|6.43000001-44000000.3117.3716
lc|7.94000001-95000000.687350.696490
lc|Un.12000001-13000000.625214.625952
lc|17.19000001-20000000.246243.246746
lc|10.130000001-131000000.839990.840732
lc|2.112000001-113000000.251847.259562
lc|6.83000001-84000000.284494.295338
lc|19.11000001-12000000.691137.693864
lc|11.59000001-60000000.17577.18296
lc|7.37000001-38000000.358277.359264
lc|2.37000001-38000000.542179.543936
lc|2.87000001-88000000.161480.169701
lc|7.76000001-77000000.48552.86185
lc|2.89000001-90000000.717606.718223
lc|2.87000001-88000000.620485.621175
lc|2.89000001-90000000.964589.965287
lc|7.89000001-90000000.563985.564695
lc|2.90000001-91000000.864919.865574
lc|10.129000001-130000000.743257.762403
lc|2.88000001-89000000.791403.813888
lc|2.113000001-114000000.64285.64983
lc|11.74000001-75000000.849684.850271
lc|6.42000001-43000000.741549.763762
lc|2.89000001-90000000.479573.490305
lc|9.20000001-21000000.276968.277516
lc|1.177000001-178000000.1210.7252
lc|19.13000001-14000000.387701.389043
lc|7.93000001-94000000.431217.434842
lc|9.49000001-50000000.695386.700715

lc|7.97000001-98000000.541541.542282
lc|11.49000001-50000000.804685.813082
lc|7.94000001-95000000.884260.886253
lc|17.37000001-38000000.262875.287405
lc|9.40000001-41000000.383271.384016
lc|2.11200001-11300000.683700.684398
lc|2.11200001-11300000.205804.206489
lc|11.52000001-53000000.572782.573399
lc|18.13000001-14000000.39141.39929
lc|2.11200001-11300000.573757.578012
lc|7.94000001-95000000.343939.344681
lc|10.62000001-63000000.272338.272811
lc|11.74000001-75000000.531024.531728
lc|7.93000001-94000000.273354.274094
lc|3.13500001-13600000.308680.309451
lc|7.96000001-97000000.677536.678243
lc|2.87000001-88000000.735126.735858
lc|17.36000001-37000000.647495.650943
lc|14.65000001-66000000.616918.624780
lc|7.13000001-13100000.886591.887319
lc|14.44000001-45000000.212472.213288
lc|2.87000001-88000000.229747.231736
lc|7.94000001-95000000.891911.893887
lc|3.13000001-13100000.306809.321395
lc|17.36000001-37000000.502034.511712
lc|2.11200001-11300000.297188.297879
lc|Un.109000001-11000000.563870.564561
lc|X.126000001-12700000.459880.460706
lc|14.44000001-45000000.314634.315320
lc|2.86000001-87000000.494932.506970
lc|5.85000001-86000000.768688.769209
lc|2.91000001-92000000.163354.164064
lc|9.76000001-77000000.895828.911773
lc|19.13000001-14000000.422166.439221
lc|7.94000001-95000000.6091.6804
lc|14.42000001-43000000.168424.169133
lc|2.37000001-38000000.298487.327834
lc|2.86000001-87000000.803525.804220
lc|19.11000001-12000000.769828.784906
lc|2.11200001-11300000.550124.555563
lc|19.12000001-13000000.563159.564083
lc|7.93000001-94000000.721823.722377
lc|11.109000001-11000000.495311.500727
lc|2.86000001-87000000.987324.988022
lc|2.37000001-38000000.328640.329281
lc|2.87000001-88000000.8094.8792
lc|11.74000001-75000000.911517.914063
lc|X.57000001-58000000.783269.783958
lc|11.74000001-75000000.402406.403113
lc|19.11000001-12000000.603940.623052
lc|10.14000001-15000000.653290.656466
lc|9.38000001-39000000.515828.516520
lc|16.43000001-44000000.655223.661096
lc|9.39000001-40000000.561446.562168
lc|11.59000001-60000000.287712.288392
lc|17.41000001-42000000.590216.596050
lc|X.10000001-11000000.740239.740893
lc|17.36000001-37000000.379490.384584
lc|7.92000001-93000000.980711.981484
lc|2.11200001-11300000.307571.308266
lc|11.74000001-75000000.803911.804612
lc|2.90000001-91000000.361727.362222
lc|2.11200001-11300000.265494.266185
lc|9.40000001-41000000.295340.296044
lc|8.71000001-72000000.469302.483895
lc|2.88000001-89000000.339243.339947
lc|10.13000001-13100000.405133.405813
lc|17.42000001-43000000.307778.315184
lc|6.83000001-84000000.403595.439503
lc|2.87000001-88000000.929575.930090
lc|18.53000001-54000000.102746.103519
lc|19.13000001-14000000.479043.479622
lc|17.37000001-38000000.437208.437852
lc|6.65000001-66000000.988478.992046
lc|10.79000001-80000000.411555.411990
lc|9.39000001-40000000.994408.995103
lc|7.37000001-38000000.681917.736690
lc|7.94000001-95000000.818482.819174
lc|10.129000001-13000000.833690.834627
lc|7.92000001-93000000.408940.409647
lc|7.93000001-94000000.967452.972616
lc|17.37000001-38000000.315854.320169

lcl|Un.127000001-128000000.689959.690651
lcl|2.880000001-890000000.43933.44631
lcl|Un.80000001-810000000.324049.324725
lcl|7.930000001-940000000.409711.410429
lcl|10.130000001-131000000.452188.452831
lcl|X.350000001-360000000.634050.637772
lcl|9.390000001-400000000.668387.669091
lcl|2.860000001-870000000.517244.549146
lcl|7.930000001-940000000.259113.259835
lcl|9.400000001-410000000.139050.139742
lcl|9.390000001-400000000.771042.771743
lcl|Un.60000001-610000000.106673.107783
lcl|2.870000001-880000000.534045.535155
lcl|7.970000001-980000000.508271.508963
lcl|19.130000001-140000000.482044.482732
lcl|7.940000001-950000000.969398.970105
lcl|Un.64000001-650000000.278178.278827
lcl|7.8000001-9000000.605602.642549
lcl|7.980000001-990000000.125328.136840
lcl|4.51000001-520000000.699201.704034
lcl|2.870000001-880000000.248568.249108
lcl|2.880000001-890000000.841777.842483
lcl|9.380000001-390000000.796748.797458
lcl|7.960000001-970000000.395004.395638
lcl|9.190000001-200000000.119661.136278
lcl|2.119000001-120000000.202915.216102
lcl|9.390000001-400000000.623948.624652
lcl|2.870000001-880000000.583658.584762
lcl|Un.44000001-450000000.598836.599410
lcl|1.174000001-175000000.632585.636216
lcl|1.135000001-136000000.98577.102583
lcl|Un.39000001-400000000.793430.794071
lcl|7.940000001-950000000.486027.486721
lcl|1.137000001-138000000.132063.132509
lcl|7.5000001-6000000.836278.836919
lcl|17.360000001-370000000.214770.215199
lcl|6.135000001-136000000.438656.457173
lcl|10.130000001-131000000.426841.427457
lcl|7.920000001-930000000.730002.730670
lcl|9.180000001-190000000.754130.754744
lcl|17.360000001-370000000.828810.829779

Supplementary Table 2c

ADH	FZD	mGluR	RHOD	SEC	TAS2	VR
lcl ctg25749.3.205582.242858	lcl ctg25299.1.138021.139685	lcl ctg25655.3.18599.128539	lcl ctg30054.1.101714.148624	lcl ctg9520.1.1318.16316	lcl ctg25661.2.178944.182734	lcl NA2231.1.1796.2773
lcl ctg9449.2.99502.108958	lcl ctg30294.2.137744.141876	lcl ctg11117.2.54636.74321	lcl ctg21883.1.114937.124303	lcl ctg9413.9.197005.229474	lcl ctg13622.1.15011.15985	
lcl ctg25749.4.9969.42858	lcl ctg9476.6.178479.180131	lcl ctg15465.4.44282.83164	lcl ctg30069.3.91873.93315	lcl ctg9413.10.4383.21981		
lcl ctg10787.2.134545.144608	lcl ctg10121.2.55679.57421	lcl ctg25821.2.71494.135154	lcl ctg13567.3.74987.76087	lcl ctg9796.2.105444.140485		
lcl ctg9684.12.34267.130416	lcl ctg30247.2.84444.86189	lcl ctg10483.1.126.53670	lcl ctg10579.1.236120.237196	lcl ctg24784.1.2960.30792		
lcl ctg13593.1.15199.42774	lcl ctg10722.1.19928.21673	lcl ctg10561.1.149806.229368	lcl ctg14058.1.136904.223970	lcl ctg10486.2.116060.171628		
lcl ctg9559.1.52375.206901	lcl ctg9684.14.37819.71243	lcl NA5711.1.51295.79988	lcl ctg9597.1.178239.193381	lcl NA18031.1.1160.7054		
lcl ctg9684.12.10909.21205	lcl ctg14908.1.51403.53143	lcl ctg9328.2.127559.212013	lcl NA17534.1.54413.55552	lcl NA14509.1.7393.11636		
lcl ctg11314.1.4312.63010	lcl ctg25079.1.84068.89023	lcl ctg9331.1.36237.175911	lcl ctg20760.1.15580.42330	lcl ctg600.3.14615.64621		
lcl NA9570.1.7236.17793	lcl ctg10851.1.66984.68668	lcl ctg25655.2.172304.200494	lcl ctg969.4.38784.132508	lcl ctg10018.1.161632.180082		
lcl ctg9449.1.123787.140274	lcl NA6755.1.3460.9245	lcl NA6832.1.6927.19716	lcl ctg9658.2.92343.93707	lcl ctg9604.1.15344.51012		
lcl ctg9684.10.108222.203531	lcl NA26322.1.59.592	lcl ctg10326.1.88843.119079	lcl ctg15395.1.98369.99709	lcl ctg10018.1.187601.202561		
lcl ctg9684.11.234267.242417	lcl NA9471.1.479.13000	lcl ctg30261.3.6581.57566	lcl ctg10100.1.6901.18886	lcl ctg12563.1.28521.52510		
lcl ctg9590.2.61311.123003	lcl ctg30261.2.181398.224433	lcl ctg25655.2.51304.72654	lcl ctg25457.1.56262.57551	lcl ctg9418.10.128124.143245		
lcl ctg9684.10.237841.246730	lcl ctg10382.2.120424.246493	lcl ctg11158.1.209465.245492	lcl ctg14296.1.8283.9803	lcl ctg12351.1.127321.185112		
lcl ctg128.2.240124.249794	lcl NA16325.1.608.9607	lcl ctg14269.1.8283.9803	lcl ctg12669.1.78355.79698	lcl ctg10769.2.234903.249533		
lcl ctg128.3.40124.78475	lcl ctg24778.2.54527.64936	lcl ctg12669.1.78355.79698	lcl ctg27023.1.159410.171097	lcl ctg10769.3.34903.88478		
lcl ctg9684.11.37841.221205	lcl ctg26079.3.179330.200093	lcl ctg17.1.114251.115351	lcl ctg17.1.114251.115351	lcl ctg11006.1.134780.176879		
lcl ctg24981.1.186915.278304	lcl ctg26079.4.98.20861	lcl ctg25471.1.179777.204355	lcl ctg9495.1.235363.236559	lcl ctg9992.2.11925.161467		
lcl ctg25660.1.85720.97084	lcl ctg30261.1.210574.213414	lcl ctg9487.3.153230.191637	lcl ctg9487.3.153230.191637	lcl ctg9603.1.89426.123068		
lcl ctg9396.1.51744.140065	lcl ctg25655.1.143605.159763	lcl ctg9547.1.193334.194395	lcl ctg12201.6.108350.202219	lcl ctg10514.3.771.121552		
lcl ctg9449.2.160476.223852	lcl ctg25655.1.135779.141646	lcl ctg12201.6.108350.202219	lcl NA24656.1.1132.2216	lcl ctg10221.2.12109.67614		
	lcl ctg30261.2.96251.100910	lcl NA24656.1.1132.2216	lcl ctg9983.1.61053.86054	lcl ctg11752.3.5082.38017		
	lcl ctg10379.1.42902.43882	lcl ctg9983.1.61053.86054	lcl ctg25668.2.85408.86637	lcl ctg12032.1.232873.287394		
	lcl ctg11893.1.88155.96083	lcl ctg25249.7.203358.204875	lcl NA1456.1.2223.3271	lcl ctg13255.1.5888.194932		
	lcl ctg30086.1.80396.82375	lcl NA1456.1.2223.3271	lcl ctg10324.6.124043.125284	lcl ctg14880.1.203745.207066		
	lcl ctg10435.1.240635.243466	lcl ctg10324.6.124043.125284	lcl ctg25311.1.60280.61596	lcl ctg14880.2.3745.7066		
	lcl ctg25655.1.120058.133965	lcl ctg25311.1.60280.61596	lcl NA15742.1.3172.4665	lcl ctg14298.1.63446.94267		
	lcl NA17026.1.1181.2290	lcl NA15742.1.3172.4665	lcl ctg15346.1.3291.20406	lcl ctg25281.1.50527.107215		
	lcl ctg12810.1.96913.111895	lcl ctg15346.1.3291.20406	lcl ctg12971.1.30051.31127	lcl ctg9573.1.31804.95913		
	lcl NA9517.1.14288.40695	lcl ctg12971.1.30051.31127	lcl ctg26074.4.74402.75511	lcl NA7437.1.989.24738		
	lcl ctg25655.1.214686.245946	lcl ctg26074.4.74402.75511	lcl ctg30335.2.70798.71958	lcl ctg9449.2.109815.116361		
	lcl ctg25655.2.14686.45946	lcl ctg30335.2.70798.71958	lcl ctg11364.2.179643.180965	lcl ctg10630.1.138311.209669		
	lcl ctg14586.1.9802.44994	lcl ctg11364.2.179643.180965	lcl ctg11051.1.5533.57271	lcl NA18092.1.10473.36180		
	lcl ctg9763.1.38242.45793	lcl ctg11051.1.5533.57271	lcl ctg30054.1.64769.88885	lcl ctg13863.1.52073.64062		
	lcl NA10420.1.13856.33488	lcl ctg30054.1.64769.88885	lcl ctg9430.2.185562.188338	lcl ctg42.1.10594.41123		
	lcl ctg25655.3.134764.147634	lcl ctg9430.2.185562.188338	lcl ctg25777.2.101565.164382	lcl NA5910.1.15957.20769		
	lcl ctg12573.1.186030.203448	lcl ctg25777.2.101565.164382	lcl ctg10131.1.41235.44461	lcl ctg24086.6.22342.53966		
	lcl ctg25261.1.57613.195382	lcl ctg10131.1.41235.44461	lcl ctg11601.1.28699.30030	lcl ctg10221.1.204513.242339		
	lcl ctg12454.1.34372.59344	lcl ctg11601.1.28699.30030	lcl NA16832.1.8379.9515	lcl ctg30.1.155854.184255		
	lcl ctg24510.5.143654.208937	lcl NA16832.1.8379.9515	lcl ctg30033.1.16230.48979	lcl ctg26549.6.62627.118053		
	lcl ctg22799.1.4267.17002	lcl ctg30033.1.16230.48979	lcl ctg27023.1.66830.72348	lcl NA13830.1.27211.32279		
	lcl ctg9469.2.158629.178811	lcl ctg27023.1.66830.72348	lcl NA5280.1.18237.19235	lcl ctg26537.1.74970.176520		
	lcl ctg9451.4.133450.162244	lcl NA5280.1.18237.19235	lcl NA13948.1.2490.3614	lcl ctg10090.2.91380.135780		
	lcl ctg24778.2.18911.51174	lcl NA13948.1.2490.3614	lcl ctg11160.1.233113.234177	lcl ctg24510.1.55117.243781		
	lcl ctg24778.1.218911.243968	lcl ctg11160.1.233113.234177	lcl ctg11160.2.33113.34177	lcl ctg10526.1.65115.96215		
	lcl ctg11893.1.167997.189385	lcl ctg11160.2.33113.34177	lcl ctg12330.2.44811.45950	lcl ctg24086.5.222342.233005		
	lcl ctg10129.2.176185.182956	lcl ctg12330.2.44811.45950	lcl ctg12330.1.232531.233670	lcl ctg11898.3.87993.95618		
	lcl ctg24510.6.48975.101725	lcl ctg12330.1.232531.233670	lcl ctg9956.1.226655.249325	lcl ctg15604.1.17764.22321		
	lcl ctg11893.2.106651.141824	lcl ctg9956.1.226655.249325	lcl ctg9956.2.26655.106780	lcl ctg9796.2.5026.97624		
		lcl ctg9868.1.180967.182055	lcl ctg9868.1.180967.182055	lcl ctg10221.2.120966.153608		
		lcl ctg47.9.132179.133240	lcl ctg47.9.132179.133240	lcl ctg13242.1.686.14125		
				lcl ctg30074.3.50419.61606		
				lcl NA3628.1.1990.8763		
				lcl ctg529.1.146041.185569		
				lcl ctg11136.1.38532.47270		

lc|ctg9774.6.21552.59544
lc|ctg9774.5.221552.249502
lc|ctg24346.2.37805.96639
lc|ctg9804.1.107325.133123
lc|ctg568.2.105478.106671
lc|NA2621.1.9334.10353
lc|ctg14444.1.164580.228683
lc|ctg11111.1.81985.91787
lc|NA315.1.26471.58973
lc|NA17534.1.25726.26763
lc|NA22412.1.1594.2634
lc|ctg10433.1.84813.85841
lc|ctg9945.2.120446.121426
lc|ctg47.9.136751.143090
lc|ctg9339.2.149133.151929
lc|ctg10241.1.79155.80975
lc|ctg12023.1.174728.193778
lc|ctg11026.1.106562.107677
lc|ctg16068.1.38209.77814
lc|ctg9339.2.190581.191612
lc|ctg13964.1.162339.164771
lc|ctg11041.5.83997.161701
lc|ctg9917.3.147893.149026
lc|NA17350.1.1987.48568
lc|ctg11091.1.31418.40670
lc|ctg14823.1.7074.8045
lc|ctg25104.1.56734.108122
lc|NA17470.1.15457.16551
lc|ctg14823.1.29954.30943
lc|ctg21883.1.131375.132483
lc|ctg30034.1.76172.77272
lc|ctg24086.7.128594.216104
lc|ctg9630.1.24700.29373
lc|NA2339.1.3125.4204
lc|ctg9714.1.201590.202582
lc|ctg9301.3.71223.84081
lc|ctg604.1.124031.125056
lc|NA5489.1.35426.39767
lc|ctg10221.1.141828.179975
lc|ctg9.6.71054.72082
lc|ctg9471.2.29495.50514
lc|ctg26800.1.65788.81730
lc|ctg26161.1.82192.83221
lc|ctg5.1.48127.49146
lc|ctg10867.1.34110.44346
lc|ctg604.1.127949.128974
lc|NA9046.1.34692.35645
lc|ctg9404.3.117273.121318
lc|ctg9487.1.133050.151098
lc|ctg10033.1.181400.188195
lc|ctg26923.1.69486.90455
lc|ctg14180.1.3458.205504
lc|ctg10673.2.179987.197854
lc|ctg10717.1.231384.234348
lc|ctg11693.1.4852.108595
lc|ctg30284.3.91857.191667
lc|ctg24807.1.51878.73962
lc|ctg9465.1.22903.108027
lc|ctg13671.1.24192.31287
lc|ctg25396.2.126626.138182

lc|ctg15234.1.164495.171945
lc|ctg10407.1.128278.131436
lc|ctg30335.1.52139.53236
lc|NA3919.1.48652.49638
lc|ctg11165.1.128428.131843
lc|ctg11165.1.140663.188507
lc|NA18661.1.5808.6794
lc|ctg25641.1.128253.135927
lc|ctg604.2.29431.30408
lc|ctg604.1.229431.230408
lc|ctg606.1.213946.215016
lc|ctg604.3.65893.66921
lc|ctg10033.3.59105.93877
lc|NA4066.1.6132.25801
lc|NA17425.1.28673.36790
lc|ctg11817.1.98881.119045
lc|ctg30049.1.100683.124545
lc|ctg11371.1.50564.72327
lc|ctg26292.3.230871.231908
lc|ctg26292.4.30871.31908
lc|ctg10324.2.197971.245022
lc|ctg10324.3.22423.45022
lc|ctg10298.2.212108.235594
lc|ctg10298.3.12108.35594
lc|ctg15562.1.17507.36459
lc|ctg15465.2.139063.183815
lc|ctg12773.6.4280.5569
lc|ctg12773.5.204280.205569
lc|NA4709.1.4616.5671
lc|ctg12201.6.42217.43230
lc|ctg12201.5.242217.243230
lc|ctg19445.1.10524.16429
lc|ctg26015.3.116269.117752
lc|ctg24086.8.5434.16104
lc|ctg11657.1.113382.132839
lc|ctg10959.1.192025.193182
lc|ctg25325.1.87434.122411
lc|ctg10302.2.111324.112316
lc|ctg11996.1.197371.198758
lc|ctg30259.3.32858.36240
lc|ctg30259.2.192898.196280
lc|ctg9714.1.190570.191496
lc|NA8032.1.23304.24335
lc|ctg25501.1.103195.113293
lc|NA45655.1.107.1090
lc|ctg13236.2.167031.171061
lc|ctg11735.4.10878.12075
lc|ctg11735.3.162396.163593
lc|NA14414.1.16201.17265
lc|ctg9476.5.147438.180126
lc|ctg30047.1.159439.161095
lc|ctg25874.2.226379.227458
lc|ctg9406.2.68931.69992
lc|ctg13710.1.17241.30831
lc|ctg10669.1.41968.43035
lc|ctg604.2.47019.48032
lc|ctg604.1.247019.248032
lc|NA7888.1.60337.88758
lc|ctg11613.2.90359.109468
lc|ctg26015.3.165900.207867

lc|NA19410.1.4193.11195
lc|ctg11219.1.2674.3846
lc|ctg10991.1.129382.139444
lc|ctg756.1.23441.24424
lc|ctg9942.1.18749.35545
lc|ctg11858.1.103220.173281
lc|ctg26768.2.49968.51576
lc|NA6900.1.12686.13715
lc|ctg25304.3.136431.137630
lc|ctg10788.2.736.169350
lc|ctg25798.1.37899.49779
lc|ctg30054.1.1175.44149
lc|ctg9404.3.138072.139109
lc|ctg30054.1.93725.94741
lc|ctg12118.1.26556.60595
lc|ctg15465.4.28124.29389
lc|ctg15465.3.228124.229389
lc|ctg15575.1.55786.56727
lc|ctg10928.2.137094.138101
lc|ctg11160.1.181766.182683
lc|ctg11056.1.63222.142555
lc|ctg9982.3.174753.178854
lc|ctg12587.1.6720.7691
lc|ctg13538.2.98214.145005
lc|ctg10326.1.141124.142437
lc|ctg25004.4.49468.50529
lc|ctg26810.1.17803.28686
lc|NA3695.1.1164.2186
lc|ctg10019.1.151993.206578
lc|ctg10308.1.54163.129695
lc|ctg9833.3.59913.92132
lc|ctg12317.1.180557.181618
lc|NA15897.1.6648.7562
lc|ctg30010.2.120113.121432
lc|ctg10004.1.91514.101888
lc|ctg12118.1.91365.131206
lc|NA13952.1.6303.7182
lc|NA16978.1.34682.35755
lc|NA17295.1.35419.37855
lc|ctg14130.1.282613.283587
lc|ctg9355.1.8964.12996
lc|ctg12317.1.186465.187472
lc|ctg9424.1.132022.133020
lc|ctg10562.1.266135.281319
lc|ctg604.2.20651.26097
lc|ctg604.1.220651.226097
lc|ctg10047.2.171412.172374
lc|ctg10728.1.163282.164244
lc|ctg9339.2.133505.134464
lc|ctg12940.2.182139.192152
lc|ctg10131.1.9915.25560
lc|ctg26402.1.182265.241786
lc|ctg11638.1.178932.179876
lc|ctg9992.1.2354.31831
lc|ctg12317.1.44321.82783
lc|ctg10945.2.80493.101095
lc|ctg9812.3.177450.178835
lc|ctg13452.1.59912.60868
lc|ctg11095.1.30611.31582
lc|ctg10367.1.115040.127645

lc|ctg9473.1.49775.51692
lc|ctg10845.2.74286.75200
lc|NA16930.1.4113.5031
lc|ctg9597.1.198406.200684
lc|ctg26768.2.59208.60638
lc|ctg11431.1.19054.93244
lc|ctg26025.1.20956.56571
lc|ctg9705.5.147373.166188
lc|ctg14029.1.4622.5608
lc|ctg12118.1.139266.140183
lc|ctg30197.1.45461.46492
lc|ctg10226.1.149122.149928
lc|ctg11633.2.57257.130856
lc|ctg25411.2.136922.139472
lc|ctg11007.1.59876.65000
lc|ctg9597.2.217066.268028
lc|ctg9.1.218704.247941
lc|ctg9.2.18704.55403
lc|ctg10286.3.40956.50768
lc|ctg25325.2.52519.53493
lc|ctg14170.1.115907.136575
lc|ctg10135.1.110809.137252
lc|ctg11508.6.40065.53366
lc|ctg24865.6.204211.231899
lc|ctg11912.1.10935.27914
lc|ctg11156.1.40024.46559
lc|ctg12118.1.17450.18400
lc|ctg9424.1.77131.78132
lc|NA4550.1.1865.4096
lc|ctg9424.1.56140.57195
lc|NA13433.1.1220.2311
lc|ctg10019.14.79589.82640
lc|ctg10666.1.118079.119194
lc|ctg10167.2.25002.31060
lc|ctg10167.1.225002.231060
lc|ctg12162.1.40979.59497
lc|ctg604.1.48925.54233
lc|ctg10286.2.240956.247981
lc|ctg14531.1.211481.223141
lc|ctg14531.2.11481.23141
lc|NA4283.1.5238.6479
lc|ctg15810.1.157761.167032
lc|ctg604.1.59165.97791
lc|ctg9714.2.1797.2582
lc|NA5048.1.7296.8183
lc|NA5048.1.6016.6879
lc|ctg13027.1.41387.48582
lc|NA4356.1.3785.6683
lc|ctg9509.2.92027.191807
lc|ctg26768.2.54004.56532
lc|ctg26436.1.126937.255730
lc|ctg25249.6.119601.133616
lc|ctg9717.3.196526.197608
lc|ctg13710.1.59183.65689
lc|NA14884.1.11432.13035
lc|ctg11102.5.72279.140903
lc|ctg11571.1.163687.164652
lc|ctg26375.2.126383.136866
lc|ctg27004.1.163832.166769
lc|ctg9424.3.31080.43744

lc|ctg9424.2.182769.195433
lc|ctg10131.1.148688.202437
lc|ctg13054.1.118142.155575
lc|ctg11508.5.196493.197446
lc|ctg604.1.33476.43818
lc|ctg12778.1.29725.39446
lc|ctg9424.3.52002.58922
lc|ctg10170.1.203072.219574
lc|ctg10170.2.19982.36484
lc|ctg15276.3.148162.149177
lc|ctg10460.1.126591.127307
lc|ctg11508.6.31923.32906
lc|ctg11508.5.188351.189334
lc|ctg11898.2.148658.187187
lc|ctg13654.2.68637.70101
lc|ctg10152.3.42534.46987
lc|ctg10152.2.242534.246987
lc|ctg25874.2.218337.221959
lc|ctg11194.1.33902.37465
lc|ctg14500.1.27372.123399
lc|ctg26239.1.157128.158225
lc|NA3648.1.6404.7222
lc|ctg25905.1.154414.177181
lc|ctg10613.1.91111.129892
lc|ctg14063.1.10732.25832
lc|ctg9763.1.17593.27548
lc|NA16527.1.37745.54501
lc|ctg9597.2.4587.23899
lc|ctg9597.1.204587.223899
lc|ctg12457.1.122914.152951
lc|ctg11508.5.183663.185470
lc|ctg11508.6.27235.29042
lc|ctg9487.1.154423.155301
lc|ctg9717.2.112782.113819
lc|NA2463.1.26429.27505
lc|ctg9662.1.64632.75846
lc|ctg25411.1.19970.57476
lc|NA1955.1.82286.101867
lc|NA32659.1.566.1499
lc|ctg26038.2.82839.83606
lc|ctg21117.1.45043.104387
lc|ctg9485.1.112488.128129
lc|NA10075.1.7959.23081
lc|ctg30252.15.82561.83394
lc|ctg11007.1.111745.158074
lc|NA49053.1.432.1052
lc|ctg9836.1.65854.99415
lc|NA10954.1.12177.20778
lc|ctg25086.1.10823.16525
lc|ctg9471.1.188624.209105
lc|ctg24012.1.27165.79243
lc|ctg30275.1.150132.157738
lc|ctg11503.1.67075.81926
lc|ctg10689.1.187876.247073
lc|NA8494.1.2404.5967
lc|ctg9393.2.155156.155920
lc|ctg47.9.190347.191348
lc|ctg47.10.29088.30089
lc|ctg12644.1.23064.52034
lc|ctg10845.2.66859.70040

lc|ctg22363.1.23661.85396
lc|ctg30312.1.99550.121514
lc|ctg9424.1.236849.241235
lc|ctg9424.2.36849.41235
lc|ctg11726.1.47827.97899
lc|ctg11930.2.160567.205693
lc|ctg9847.1.233307.234537
lc|ctg26.5.49782.54156
lc|ctg11194.1.39733.82277
lc|ctg9424.1.78674.94511
lc|ctg9698.2.236114.240936
lc|ctg9698.3.36114.40936
lc|ctg24697.1.123710.124909
lc|ctg9970.2.217301.240223
lc|ctg9970.3.17301.40223
lc|ctg9706.1.162992.205133
lc|ctg30028.4.27872.41381
lc|ctg30028.3.187963.192265
lc|ctg11040.1.164449.165473
lc|ctg15412.1.44691.66122
lc|ctg47.10.18649.19671
lc|ctg47.9.179908.180930
lc|ctg30094.1.48166.85653
lc|NA8584.1.8445.28709
lc|ctg10961.1.151087.153591
lc|ctg9406.2.101874.174702
lc|ctg30089.2.232432.235714
lc|ctg30001.1.229511.242205
lc|ctg30001.2.29511.42205
lc|ctg15504.2.10824.18559
lc|NA12942.1.8889.16498
lc|ctg13880.3.135182.136018
lc|ctg10431.2.225346.245734
lc|ctg10689.2.7470.83827
lc|ctg10611.1.87684.176824
lc|ctg9688.2.43724.92034
lc|ctg10361.2.54759.55697
lc|NA5719.1.5358.6581
lc|ctg26768.2.132916.134109
lc|ctg26.5.168575.169552
lc|ctg24921.3.97907.98933
lc|ctg26.6.8597.9544
lc|ctg26.5.208597.209544
lc|ctg15504.1.192898.218559
lc|ctg12062.1.135370.142064
lc|ctg9756.1.32363.56899
lc|ctg15460.1.28501.46294
lc|ctg13462.1.72791.73690
lc|ctg26313.1.48817.68862
lc|ctg10949.1.117214.152725
lc|ctg25764.2.39533.40273
lc|ctg27006.1.72316.93957
lc|ctg26.5.116066.165616
lc|ctg9573.1.116115.189125
lc|ctg9424.3.925.27014
lc|ctg9424.2.152614.178703
lc|ctg10361.2.44343.45281
lc|ctg10361.1.244343.245281
lc|ctg14481.1.10976.20096
lc|ctg10534.1.100615.101577

lc|ctg9401.2.188975.200842
lc|ctg9838.2.86961.91125
lc|ctg20605.1.85390.96250
lc|ctg24770.1.48055.82819
lc|ctg24911.1.28892.45282
lc|NA12703.1.16464.30728
lc|NA4303.1.30.581
lc|ctg26810.1.16066.17076
lc|NA14967.1.21066.22037
lc|NA3274.1.24741.28472
lc|ctg30275.1.94787.119676
lc|NA10306.1.2190.5081
lc|NA19230.1.12121.18491
lc|ctg24825.1.254424.255536
lc|NA5112.1.17332.23796
lc|NA15155.1.13977.37349
lc|ctg24876.2.100374.101018
lc|ctg10447.1.131852.159952
lc|NA4463.1.3582.4565
lc|ctg9945.2.106995.113904
lc|ctg10361.2.61516.65845
lc|NA35766.1.702.1535
lc|NA1427.1.7847.16636
lc|ctg9912.2.145786.148661
lc|ctg9967.1.125551.150815
lc|ctg9424.1.104888.111879
lc|ctg12310.1.113871.132469
lc|ctg11493.1.54653.75133
lc|NA20360.1.2390.3241
lc|ctg10784.1.1133033.139208
lc|ctg9889.1.17018.60389
lc|ctg12622.2.61392.111342
lc|ctg26.5.69643.97825
lc|ctg9807.3.59515.118550
lc|NA4144.1.6037.6528
lc|ctg9913.1.20080.104341
lc|ctg12183.1.98190.99110
lc|ctg13856.1.64795.79920
lc|ctg14036.4.143603.170025
lc|ctg12183.1.83578.84501
lc|ctg9424.3.141841.142817
lc|NA67721.1.284.1057
lc|ctg7.3.179818.194698
lc|ctg7.4.19287.34167
lc|ctg9424.2.71925.115695
lc|ctg12183.2.122283.123230
lc|ctg26075.1.136098.147502
lc|ctg25075.1.145813.191322
lc|ctg25426.2.29396.64697
lc|ctg25849.1.126383.155142
lc|ctg9345.3.118644.136454
lc|ctg24784.1.73418.74368
lc|ctg12317.1.112975.136477
lc|ctg12167.4.69774.113727
lc|ctg10361.2.48862.49668
lc|NA19837.1.1286.2128
lc|ctg9993.2.90539.162065
lc|ctg10788.3.123400.189566
lc|NA3041.1.704.17735
lc|ctg10083.2.220303.221283

lc|ctg10083.3.20303.21283
lc|ctg11890.2.170886.203049
lc|ctg11890.3.2210.3049
lc|NA8666.1.4378.10543
lc|ctg10538.1.54875.87287
lc|NA15423.1.6340.7176
lc|ctg11796.2.154258.161891
lc|ctg14823.1.29068.29576
lc|ctg14090.1.75231.76088
lc|NA12317.1.27497.28399
lc|ctg9838.2.67366.71782
lc|ctg10848.1.198082.282687
lc|ctg25381.1.146393.147505
lc|NA4387.1.2863.7339
lc|ctg13054.1.96722.99239
lc|NA1678.1.1674.2542
lc|NA16839.1.2977.3768
lc|NA14152.1.15844.25882
lc|ctg10021.1.172420.197682
lc|ctg10021.2.18711.43973
lc|ctg9317.1.12924.23210
lc|ctg10041.1.156891.158233
lc|ctg14090.1.79302.80120
lc|ctg11764.1.51342.53251
lc|ctg30270.1.5101.8359
lc|ctg9300.7.49151.50044
lc|ctg10985.1.29323.70259
lc|ctg25386.2.70452.83876
lc|NA10901.1.1720.6732
lc|ctg26293.2.13158.223104
lc|ctg13462.1.18362.68428
lc|ctg24784.1.93431.94381
lc|ctg11362.1.27458.28300
lc|ctg11926.1.168487.169232
lc|ctg13452.1.24801.50884
lc|ctg10422.1.79045.113524
lc|ctg30271.2.153166.156554
lc|ctg20579.1.113155.159884
lc|ctg10459.1.60521.135058
lc|NA8142.1.1370.2093
lc|ctg9300.6.249151.249993
lc|NA9343.1.56703.62790
lc|ctg10947.1.4000.8931
lc|ctg10985.1.74500.81259
lc|ctg12745.1.46810.58279
lc|ctg10985.1.103501.104304
lc|ctg10784.1.139531.164631
lc|ctg9654.1.24998.35818
lc|ctg15060.1.5232.32246
lc|ctg25765.1.68238.144822
lc|ctg14090.1.4157.9175
lc|ctg12317.1.163870.164421
lc|NA1949.1.1327.2448
lc|ctg13737.1.157333.162427
lc|NA4387.1.7756.8574
lc|ctg10212.1.87515.93635
lc|ctg10666.1.14244.50768
lc|ctg10361.1.248862.249600
lc|ctg969.3.238784.248126
lc|ctg7.3.158153.167325

lc|ctg10738.1.158189.180158
lc|ctg10536.2.6054.6774
lc|ctg10324.5.84887.130776
lc|ctg24921.1.69040.154367
lc|NA13684.1.33458.56919
lc|ctg11503.1.31149.37420
lc|ctg10215.1.169745.170452
lc|ctg14603.1.10352.57837
lc|ctg9424.1.142525.163825
lc|ctg9476.5.204626.205552
lc|ctg9476.6.4626.5552
lc|ctg10514.2.96671.105204
lc|ctg10025.3.103405.113094
lc|ctg12032.1.79243.89708
lc|ctg12002.2.4293.118584
lc|NA2098.1.4136.49385
lc|ctg25459.8.75489.93102
lc|ctg10238.1.143312.172222
lc|ctg9599.1.170061.174729
lc|NA25219.1.286.906
lc|NA15731.1.3335.3864
lc|ctg10536.1.206088.206774
lc|ctg10536.1.206088.206774
lc|NA47015.1.873.1268
lc|ctg128.3.40124.78475
lc|ctg10738.1.198313.236283
lc|NA64223.1.233.676
lc|ctg14090.1.34645.61504
lc|ctg11227.1.154297.203809
lc|ctg10029.2.59548.84803
lc|ctg9401.3.171.842
lc|ctg14481.1.24078.24521
lc|ctg26770.2.161860.165749
lc|ctg13622.1.15011.15985
lc|ctg9650.1.112520.193049
lc|NA14510.1.4013.4663
lc|NA15667.1.21572.22283
lc|ctg604.2.3250.9924
lc|ctg604.1.203250.209924
lc|NA17026.1.1181.2290
lc|ctg24346.1.231683.232880
lc|NA13300.1.8079.8593
lc|ctg9662.3.180960.181856
lc|ctg10514.2.164058.164822
lc|ctg23943.1.3176.41299
lc|ctg12971.1.4777.8351
lc|ctg604.1.24213.24635
lc|ctg11578.1.95067.116787
lc|NA21842.1.1421.1933
lc|ctg9684.9.38232.42936
lc|ctg9684.8.238232.242767
lc|NA16956.1.16286.24415
lc|NA3363.1.28973.30785
lc|ctg12853.1.148295.187880
lc|ctg12853.1.148295.187880

Supplementary Table 2d

ADH	FZD	mGluR	RHOD	SEC	VR
lcl scaffold_1036.50710.87582	lcl scaffold_300.214923.216626	lcl scaffold_5.526199.553219	lcl scaffold_98.44573.47700	lcl scaffold_1762.575.15524	lcl scaffold_108.279174.280449
lcl scaffold_536.134609.153089	lcl scaffold_1549.10885.12627	lcl scaffold_951.30076.85361	lcl scaffold_1015.1544.11099	lcl scaffold_2507.519.12421	
lcl scaffold_1862.32246.37594	lcl scaffold_536.20133.21884	lcl scaffold_40.185361.211228	lcl scaffold_1197.24379.31655	lcl scaffold_1374.24076.45535	
lcl scaffold_1674.454.42373	lcl scaffold_2461.12412.14142	lcl scaffold_1713.534.13408	lcl scaffold_239.125398.138533	lcl scaffold_77.170574.186970	
lcl scaffold_648.2052.27961	lcl scaffold_74.265266.266879	lcl scaffold_3.247111.257494	lcl scaffold_2503.2465.20067	lcl scaffold_833.91666.96954	
lcl scaffold_611.62641.85179	lcl scaffold_1909.3949.8009	lcl scaffold_612.127029.138484	lcl scaffold_63.186848.187939	lcl scaffold_446.102592.111294	
	lcl scaffold_43.402294.403766	lcl scaffold_190.132729.142032	lcl scaffold_3083.4123.15846	lcl scaffold_1441.18741.40683	
	lcl scaffold_6516.7.1682	lcl scaffold_297.292.5312	lcl scaffold_435.149000.153922	lcl scaffold_887.43042.71325	
	lcl scaffold_849.34084.38418	lcl scaffold_3975.135.1043	lcl scaffold_98.39840.40970	lcl scaffold_6.528224.548591	
	lcl scaffold_3606.3197.10767	lcl scaffold_6513.1677.3194	lcl scaffold_339.77202.79642	lcl scaffold_2822.3960.18760	
		lcl scaffold_2574.21061.24459	lcl scaffold_234.190897.192480	lcl scaffold_2532.1240.9911	
		lcl scaffold_2574.74.6435	lcl scaffold_96.200715.201785	lcl scaffold_5985.70.5195	
		lcl scaffold_3975.1567.4870	lcl scaffold_333.15136.16527	lcl scaffold_461.52254.61120	
		lcl scaffold_2212.71.5869	lcl scaffold_456.97250.102152	lcl scaffold_3050.9895.14636	
		lcl scaffold_6.379276.382533	lcl scaffold_2360.23276.24613	lcl scaffold_1531.30321.35359	
		lcl scaffold_2574.12451.15387	lcl scaffold_501.117650.149825	lcl scaffold_4415.1753.8016	
		lcl scaffold_612.118926.126338	lcl scaffold_48.231832.233103	lcl scaffold_86.187585.205238	
		lcl scaffold_492.19014.29410	lcl scaffold_58.83165.84697	lcl scaffold_5541.817.5514	
		lcl scaffold_803.47224.80702	lcl scaffold_4655.7353.8603		
		lcl scaffold_1251.54532.57728	lcl scaffold_566.105680.107239		
		lcl scaffold_140.111538.132703	lcl scaffold_815.12492.18456		
		lcl scaffold_646.75984.99364	lcl scaffold_460.32958.56409		
		lcl scaffold_1183.38777.39397	lcl scaffold_1393.36845.38080		
		lcl scaffold_1262.33410.37337	lcl scaffold_299.155508.156659		
		lcl scaffold_646.112962.125352	lcl scaffold_3097.16211.18657		
		lcl scaffold_2428.7140.10489	lcl scaffold_5764.4272.5552		
			lcl scaffold_2900.989.14286		
			lcl scaffold_1414.35660.36850		
			lcl scaffold_458.24173.25210		
			lcl scaffold_4.668320.678469		
			lcl scaffold_335.27744.40910		
			lcl scaffold_169.118943.129472		
			lcl scaffold_134.113580.150508		
			lcl scaffold_134.11898.14998		
			lcl scaffold_2168.6773.8472		
			lcl scaffold_243.166760.167986		
			lcl scaffold_733.103757.117043		
			lcl scaffold_601.250.4995		
			lcl scaffold_7.505324.506460		
			lcl scaffold_2770.888.4754		
			lcl scaffold_254.43323.46396		
			lcl scaffold_572.71094.72449		
			lcl scaffold_260.202015.217947		
			lcl scaffold_1026.17580.19510		
			lcl scaffold_444.79644.82581		
			lcl scaffold_3323.7815.9919		
			lcl scaffold_119.190635.191711		
			lcl scaffold_2468.4003.8134		
			lcl scaffold_100.112582.113583		
			lcl scaffold_539.48258.51501		
			lcl scaffold_169.133261.134361		
			lcl scaffold_711.9940.14212		
			lcl scaffold_352.30346.32221		
			lcl scaffold_697.38378.39957		
			lcl scaffold_2922.4199.13880		
			lcl scaffold_104.244099.246829		

lc|scaffold_2762.5002.6393
lc|scaffold_405.15398.21665
lc|scaffold_884.20177.27857
lc|scaffold_470.34653.36386
lc|scaffold_238.12958.14619
lc|scaffold_68.318285.337733
lc|scaffold_2745.6404.17086
lc|scaffold_1924.35346.36428
lc|scaffold_1266.52828.54009
lc|scaffold_784.18160.24737
lc|scaffold_470.31632.33180
lc|scaffold_176.215423.227911
lc|scaffold_52.325772.331304
lc|scaffold_4262.1937.9584
lc|scaffold_143.159277.163617
lc|scaffold_767.98269.99516
lc|scaffold_5862.1103.5043
lc|scaffold_1066.20035.21868
lc|scaffold_511.109082.110233
lc|scaffold_710.106139.109777
lc|scaffold_1393.41549.44355
lc|scaffold_200.126775.129223
lc|scaffold_1144.54122.60617
lc|scaffold_643.17436.25071
lc|scaffold_323.34584.37544
lc|scaffold_95.274256.276541
lc|scaffold_1371.16841.19704
lc|scaffold_3906.1500.5481
lc|scaffold_1688.2854.32664
lc|scaffold_102.102891.104426
lc|scaffold_68.108048.135005
lc|scaffold_49.124516.131471
lc|scaffold_157.185955.187025
lc|scaffold_1642.6125.7261
lc|scaffold_193.163922.164875
lc|scaffold_1041.47500.63459
lc|scaffold_167.156078.188636
lc|scaffold_93.156195.157223
lc|scaffold_5982.2402.3713
lc|scaffold_92.247412.248626
lc|scaffold_2650.9002.10441
lc|scaffold_516.20964.33280
lc|scaffold_476.54523.72972
lc|scaffold_593.4943.5947
lc|scaffold_5.496111.503530
lc|scaffold_1572.6089.7558
lc|scaffold_299.98476.99852
lc|scaffold_951.86682.87968
lc|scaffold_322.117956.121301
lc|scaffold_1204.16350.17909
lc|scaffold_5.491152.493240
lc|scaffold_50.84406.89649
lc|scaffold_146.114331.115356
lc|scaffold_34.376298.391205
lc|scaffold_1221.67075.68757
lc|scaffold_18.374552.376796
lc|scaffold_169.136279.138535
lc|scaffold_239.64420.79248
lc|scaffold_2272.17036.17965
lc|scaffold_986.5824.11841

lc|scaffold_1348.10841.17294
lc|scaffold_2255.14090.17405
lc|scaffold_207.49201.62186
lc|scaffold_1210.2059.6205
lc|scaffold_998.485.16450
lc|scaffold_44.66013.91123
lc|scaffold_160.40187.41464
lc|scaffold_2384.6207.11456
lc|scaffold_2010.16806.27309
lc|scaffold_265.194297.195412
lc|scaffold_972.66036.69193
lc|scaffold_1045.76221.85362
lc|scaffold_1161.55218.64349
lc|scaffold_463.50830.52312
lc|scaffold_1131.7455.22109
lc|scaffold_180.255340.256242
lc|scaffold_204.4435.6490
lc|scaffold_467.103765.112426
lc|scaffold_92.11175.12207
lc|scaffold_256.104560.105552
lc|scaffold_155.120379.121242
lc|scaffold_119.194247.195235
lc|scaffold_7045.942.1711
lc|scaffold_3546.5539.7508
lc|scaffold_109.44301.50030
lc|scaffold_1993.11106.25106
lc|scaffold_6783.393.1167
lc|scaffold_193.161071.162205
lc|scaffold_37.31834.43667
lc|scaffold_224.201938.203987
lc|scaffold_135.212423.215610
lc|scaffold_1949.1173.3306
lc|scaffold_4120.1466.5525
lc|scaffold_177.28190.53315
lc|scaffold_5322.1539.5675
lc|scaffold_343.94499.109850
lc|scaffold_37.341946.347460
lc|scaffold_3299.659.8293
lc|scaffold_25.372579.378555
lc|scaffold_522.86284.87336
lc|scaffold_263.151842.154008
lc|scaffold_291.206085.207415
lc|scaffold_3260.853.6668
lc|scaffold_2815.2264.7641
lc|scaffold_632.102995.106132
lc|scaffold_715.37817.43256
lc|scaffold_2471.275.21120
lc|scaffold_54.136055.166191
lc|scaffold_544.38299.39618
lc|scaffold_385.74996.88850
lc|scaffold_6660.86.2467
lc|scaffold_142.118748.119713
lc|scaffold_710.100107.102969
lc|scaffold_905.32709.34334
lc|scaffold_401.175281.178212
lc|scaffold_239.122027.122845
lc|scaffold_1887.28308.38136
lc|scaffold_142.120730.121689
lc|scaffold_101.241360.259580
lc|scaffold_4479.6570.7541

lc|scaffold_4429.4755.5705
lc|scaffold_218.57828.58886
lc|scaffold_6269.1619.2590
lc|scaffold_271.45530.52438
lc|scaffold_1395.12194.18226
lc|scaffold_142.98531.100366
lc|scaffold_3905.7962.12144
lc|scaffold_18.100394.101347
lc|scaffold_403.51691.62826
lc|scaffold_126.189405.190433
lc|scaffold_1167.20651.28983
lc|scaffold_7743.39.965
lc|scaffold_3058.6866.16357
lc|scaffold_142.101784.113254
lc|scaffold_4563.5006.5959
lc|scaffold_128.245081.248002
lc|scaffold_240.80045.89550
lc|scaffold_328.4718.5593
lc|scaffold_457.128783.138394
lc|scaffold_6031.3463.4596
lc|scaffold_2150.57.992
lc|scaffold_119.137360.138322
lc|scaffold_1026.69937.75591
lc|scaffold_2798.877.18766
lc|scaffold_5359.5335.7500
lc|scaffold_6054.1315.2463
lc|scaffold_155.51076.52041
lc|scaffold_844.98737.99558
lc|scaffold_26.228718.251712
lc|scaffold_1187.17311.71735
lc|scaffold_1026.80121.80816
lc|scaffold_2346.10262.15595
lc|scaffold_844.59831.60673
lc|scaffold_593.6.698
lc|scaffold_6818.953.1738
lc|scaffold_7903.3039.3865
lc|scaffold_7573.17.1841
lc|scaffold_563.59981.64264
lc|scaffold_26.221960.225708
lc|scaffold_5846.427.5392
lc|scaffold_1131.57799.58713
lc|scaffold_2051.30766.31251
lc|scaffold_301.134606.135435
lc|scaffold_4368.57.10499
lc|scaffold_4479.62.3901
lc|scaffold_5287.104.772
lc|scaffold_1093.6.2264
lc|scaffold_465.559.4205

Supplementary Table 2e

ADH	FZD	mGluR	RHOD	SEC
ci0100130008	lc ci0100145264	lc ci0100130340	lc ci0100140881	ci0100137028
ci0100148371	lc ci0100140006	lc ci0100150802	lc ci0100137935	ci0100151327
ci0100131580	lc ci0100133368	lc ci0100147063	lc ci0100139179	ci0100140016
ci0100139945	lc ci0100150136	lc ci0100143048	lc ci0100143330	ci0100145281
ci0100139465	lc ci0100150930	lc ci0100133026	lc ci0100145437	ci0100145252
ci0100130038	lc ci0100153324	lc ci0100152670	lc ci0100151600	ci0100147570
	lc ci0100152761	lc ci0100131489	lc ci0100130320	ci0100130945
		lc ci0100137774	lc ci0100137823	ci0100141310
			lc ci0100133550	ci0100145494
			lc ci0100149471	ci0100153483
			lc ci0100134273	ci0100141557
			lc ci0100143568	ci0100145584
			lc ci0100137803	ci0100145837
			lc ci0100131140	ci0100139268
			lc ci0100144874	ci0100142971
			lc ci0100138913	ci0100132112
			lc ci0100146266	ci0100132869
			lc ci0100132133	ci0100131605
			lc ci0100144199	ci0100135442
			lc ci0100150689	ci0100144493
			lc ci0100133606	ci0100150579
			lc ci0100134145	ci0100133766
			lc ci0100141702	ci0100144441
			lc ci0100147526	ci0100131249
			lc ci0100132620	ci0100135674
			lc ci0100139176	ci0100130804
			lc ci0100140366	ci0100152766
			lc ci0100143990	ci0100137512
			lc ci0100153785	ci0100130776
			lc ci0100143362	ci0100152008
			lc ci0100133065	ci0100134612
			lc ci0100146328	ci0100148347
			lc ci0100130986	ci0100152579
			lc ci0100152622	ci0100150391
			lc ci0100138509	ci0100130529
			lc ci0100154135	ci0100141991
			lc ci0100153146	ci0100134765
			lc ci0100141751	ci0100130163
			lc ci0100150840	ci0100146845
			lc ci0100133186	ci0100132129
			lc ci0100136041	ci0100140631
			lc ci0100148288	ci0100136913
			lc ci0100154445	ci0100140631
			lc ci0100145358	ci0100136890
			lc ci0100136887	ci0100136913
			lc ci0100145160	ci0100140631
			lc ci0100154093	ci0100136890
			lc ci0100149551	ci0100136913

lc|ci0100133821
lc|ci0100154530
lc|ci0100131758
lc|ci0100134424
lc|ci0100149095
lc|ci0100142526
lc|ci0100154507
lc|ci0100142069
lc|ci0100143261
lc|ci0100151424
lc|ci0100137355
lc|ci0100141547
lc|ci0100153844
lc|ci0100143923
lc|ci0100148112
lc|ci0100130858
lc|ci0100141745
lc|ci0100132083
lc|ci0100153810
lc|ci0100134571
lc|ci0100141384
lc|ci0100130612
lc|ci0100144360
lc|ci0100135689
lc|ci0100147271
lc|ci0100148350
lc|ci0100144925
lc|ci0100146763
lc|ci0100142353
lc|ci0100137752
lc|ci0100153351
lc|ci0100148400
lc|ci0100138955
lc|ci0100144368
lc|ci0100147431
lc|ci0100143219
lc|ci0100151225
lc|ci0100154142
lc|ci0100143057
lc|ci0100130259
lc|ci0100154564
lc|ci0100131120
lc|ci0100150116
lc|ci0100147407
lc|ci0100130034
lc|ci0100130090
lc|ci0100143146
lc|ci0100143040
lc|ci0100148454
lc|ci0100145235
lc|ci0100148961

lc|ci0100153327
lc|ci0100149830
lc|ci0100131416
lc|ci0100152713
lc|ci0100143701
lc|ci0100131681
lc|ci0100144713
lc|ci0100148475
lc|ci0100146193
lc|ci0100132478
lc|ci0100131826
lc|ci0100142029
lc|ci0100143300
lc|ci0100151346
lc|ci0100152581
lc|ci0100147236
lc|ci0100141602
lc|ci0100130111
lc|ci0100131351
lc|ci0100139291
lc|ci0100132380
lc|ci0100142144
lc|ci0100134756
lc|ci0100147669
lc|ci0100130574
lc|ci0100141764
lc|ci0100150268
lc|ci0100143093
lc|ci0100142337
lc|ci0100131137
lc|ci0100136241
lc|ci0100144205
lc|ci0100130445
lc|ci0100146152
lc|ci0100153613
lc|ci0100141514
lc|ci0100135081
lc|ci0100131828
lc|ci0100137389
lc|ci0100153326

Supplementary Table 2f

ADH	DMODOR	FZD	GUST	mGluR	RHOD	SEC
gj17304025[gb]AAf59067.1] CG8639	gj17291580[gb]AAf47004.1] Or59a	gj17293818[gb]AAf49184.1] fz2	gj17292420[gb]AAf47824.1] CG14986	gj17304372[gb]AAf59402.1] Glu-RA	gj17300647[gb]AAf55796.1] Oamb [alt 2]	gj17303186[gb]AAf58250.1] CG8422
gj110727655[gb]AAf58763.2] stan	gj17290298[gb]AAf45759.1] Or2a	gj110727932[gb]AAf49746.2] fz	gj17292422[gb]AAf47826.1] CG14988	gj17304403[gb]AAf59082.1] CG8692	gj110726848[gb]AAf65908.2] CG18741	gj17303445[gb]AAf58501.1] CG12370
gj17302011[gb]AAf57115.1] CG11318	gj17297885[gb]AAf53131.1] Or33a	gj110727423[gb]AAf51518.2] smo	gj17290160[gb]AAf45624.1] EG-BACN32G11.1	gj17300772[gb]AAf55916.1] BcDNA-GH07312	gj17300648[gb]AAf55797.1] Oamb [alt 1]	gj17290328[gb]AAf45788.1] EG-BACR25B3.3
gj17292855[gb]AAf48247.1] CG15744	gj17297886[gb]AAf53132.1] Or33b	gj110728360[gb]AAf4822363.1] fz3 [alt 1]	gj17292398[gb]AAf47803.1] CG14979	gj110727404[gb]AAf51465.2] CG3022	gj17302000[gb]AAf57104.1] 5-HT7	gj17303329[gb]AAf58388.1] CG17415
gj17302014[gb]AAf57118.1] CG15556	gj17296068[gb]AAf51363.1] Or22b	gj17290081[gb]AAf45547.1] fz3 [alt 2]	gj110727204[gb]AAf47421.2] CG13888	gj17298197[gb]AAf53431.1] BG-DS00929.6	gj17300302[gb]AAf55463.1] CG7431	gj17292823[gb]AAf48216.1] CG4395
	gj17296069[gb]AAf51364.1] Or22a	gj17290800[gb]AAf46245.1] fz4	gj17290611[gb]AAf46060.1] CG15779	gj17301413[gb]AAf56539.1] boss	gj17296517[gb]AAf51802.1] TyrR	gj17295445[gb]AAf50761.1] CG17795
	gj17295931[gb]AAf51230.1] Or23a		gj17294679[gb]AAf50017.1] CG7303	gj17296481[gb]AAf51767.1] CG7155	gj17302520[gb]AAf57603.1] 5-HT1A	gj17293254[gb]AAf48635.1] CG4521
	gj17304136[gb]AAf59173.1] Or43b		gj17295122[gb]AAf50447.1] CG7189	gj17295661[gb]AAf50967.1] CG11923	gj17299647[gb]AAf54831.1] CG7078	gj17291963[gb]AAf47379.1] mth
	gj17297887[gb]AAf53133.1] Or33c		gj17296168[gb]AAf51461.1] CG13948		gj17300301[gb]AAf55462.1] CG16766	gj17291962[gb]AAf47378.1] CG17061
	gj17299170[gb]AAf54368.1] Or85f		gj17297256[gb]AAf52520.1] CG13788		gj17300871[gb]AAf56012.1] CG6919	gj17299527[gb]AAf54714.1] CG6965
	gj17299043[gb]AAf54244.1] Or85b		gj110727777[gb]AAf59268.2] CG1712		gj110727804[gb]AAf49074.2] CG7395	
	gj17299044[gb]AAf54245.1] Or85c		gj17302338[gb]AAf57427.1] CG13441		gj17299352[gb]AAf54544.1] TakR86C	
	gj17303643[gb]AAf58695.1] Or47a		gj17297255[gb]AAf52519.1] CG13787		gj17291777[gb]AAf47197.1] mAcR-60C	
	gj17303785[gb]AAf58833.1] Or46b		gj17291030[gb]AAf46468.1] CG15371		gj17295460[gb]AAf50775.1] CG10626	
	gj17303786[gb]AAf58834.1] Or46a		gj17291533[gb]AAf46958.1] CG13543		gj17301534[gb]AAf56655.1] NepYr	
	gj17303615[gb]AAf58667.1] Or47b		gj17297928[gb]AAf53173.1] CG17213		gj17301870[gb]AAf56979.1] TakR9D	
	gj17303394[gb]AAf58452.1] Or49b		gj17291352[gb]AAf46781.1] CG13495		gj17296837[gb]AAf52113.1] 5-HT2	
	gj17304246[gb]AAf59280.1] Or43a		gj17295928[gb]AAf51227.1] CG15396		gj17299839[gb]AAf55016.1] CG9918	
	gj17295736[gb]AAf51040.1] Or24a		gj17297822[gb]AAf53071.1] CG14916		gj17293500[gb]AAf48875.1] CG6857	
	gj17291598[gb]AAf47021.1] CG15872		gj17292643[gb]AAf48041.1] CG12622		gj17290247[gb]AAf45709.1] EG:22E5.10	
	gj17299841[gb]AAf55018.1] Or88a		gj17301598[gb]AAf56717.1] CG12884		gj17290248[gb]AAf45710.1] EG:22E5.10	
	gj17291584[gb]AAf47008.1] Or59b		gj17300781[gb]AAf55925.1] CG13411		gj110726374[gb]AAf54188.2] CG7918	
	gj17299048[gb]AAf54249.1] Or85d		gj17300779[gb]AAf55923.1] CG13417		gj17301695[gb]AAf56809.1] CG10001	
	gj17299055[gb]AAf54256.1] Or85e		gj17291351[gb]AAf46780.1] CG13491		gj17301410[gb]AAf56536.1] CG6111	
	gj17291585[gb]AAf47009.1] Or59c		gj17292292[gb]AAf47700.1] CG2114		gj17293895[gb]AAf49259.1] CG7285	
	gj172990901[gb]AAf46342.1] Or7a		gj17303756[gb]AAf58804.1] CG12906		gj17299748[gb]AAf54929.1] CG8795	
	gj17302210[gb]AAf57305.1] Or42b		gj110726880[gb]AAf57074.2] CG15541		gj110726963[gb]AAf57012.2] CG9753	
	gj17302212[gb]AAf57307.1] Or42a		gj17291360[gb]AAf46788.1] CG13500		gj17300441[gb]AAf55598.1] CG18208	
	gj17303883[gb]AAf58928.1] Or45b		gj110729261[gb]AAf622450.1] CG18859		gj17293749[gb]AAf54930.1] CG8784	
	gj17299023[gb]AAf54225.1] Or85a		gj110727764[gb]AAf59215.2] CG1339		gj17290762[gb]AAf46208.1] CG12796	
	gj17300937[gb]AAf56076.1] Or94a		gj17299468[gb]AAf54656.1] CG14709		gj110728448[gb]AAf45884.2] A1stR [alt 2]	
	gj17294831[gb]AAf50163.1] Or67c		gj17294681[gb]AAf50018.1] CG7308		gj17297159[gb]AAf52426.1] GRHR	
	gj17291155[gb]AAf46589.1] Or9a		gj17295825[gb]AAf51126.1] CG8837		gj17296628[gb]AAf51909.1] CG1147	
	gj17300938[gb]AAf56077.1] Or94b		gj17297358[gb]AAf52616.1] CG8451		gj17290610[gb]AAf46059.1] Tre	
	gj110729261[gb]AAf56753.1] CG18859		gj110727404[gb]AAf51465.2] CG3022		gj17300560[gb]AAf55712.1] ninaE	
	gj17301635[gb]AAf56753.1] Or98a		gj17298704[gb]AAf53917.1] CG9318		gj17294610[gb]AAf49949.1] CG5638	
	gj17303463[gb]AAf58519.1] Or49a		gj17301747[gb]AAf56859.1] CG11880		gj110728777[gb]AAf53367.2] rk	
	gj17296012[gb]AAf51309.1] Or22c		gj17301180[gb]AAf56312.1] CG5789		gj17300299[gb]AAf55460.1] Fsh	
	gj17302431[gb]AAf57517.1] Or56a		gj17292689[gb]AAf48086.1] CG15221		gj17294045[gb]AAf49400.1] Rh4	
	gj17292644[gb]AAf48042.1] Or10a		gj17294296[gb]AAf49646.1] CG7255 [alt 1]		gj17300445[gb]AAf55601.1] Rh2	
	gj17294918[gb]AAf50248.1] Or67a		gj17294297[gb]AAf49647.1] CG7255 [alt 2]		gj17294588[gb]AAf49928.1] CG10698	
	gj17294322[gb]AAf49671.1] Or71a		gj17298040[gb]AAf53281.1] CG15639		gj17302527[gb]AAf57610.1] 5-HT1B	
	gj17303906[gb]AAf58951.1] Or45a				gj17300726[gb]AAf55872.1] CG5911	
	gj17292289[gb]AAf47697.1] Or63a				gj17302742[gb]AAf57820.1] CG18192	
	gj17293165[gb]AAf48549.1] Or13a				gj110728449[gb]AAf22404.1] A1stR [alt 1]	
	gj17300619[gb]AAf55769.1] Or92a				gj17299650[gb]AAf54834.1] CG6989	
	gj17296640[gb]AAf51921.1] Or83c				gj17300031[gb]AAf55202.1] Rh6	
	gj17296755[gb]AAf52033.1] Or83a				gj110726639[gb]AAf22157.1] Rh3	
	gj17296753[gb]AAf52031.1] Or83b				gj17301363[gb]AAf56490.1] CG5042	
	gj17301673[gb]AAf56788.1] Or98b				gj17297899[gb]AAf53145.1] Rh5	
	gj17290028[gb]AAf45495.1] Or1a				gj110726392[gb]AAf54255.2] CG8007	
	gj17294001[gb]AAf49358.1] Or74a				gj17293896[gb]AAf49260.1] CG13702	
	gj17294522[gb]AAf49864.1] Or69b				gj17291767[gb]AAf47188.1] CG13575	
	gj110728684[gb]AAf52748.2] Or30a				gj17292844[gb]AAf48237.1] CG4187	
	gj17298241[gb]AAf53473.1] Or35a				gj17292490[gb]AAf47893.1] CG18314	
	gj17294829[gb]AAf50161.1] CG14157				gj17297064[gb]AAf52333.1] CG13995	
	gj17292420[gb]AAf47824.1] CG14986				gj17291790[gb]AAf47210.1] CG13579	
	gj17294906[gb]AAf50236.1] Or67b				gj17292292[gb]AAf47700.1] CG2114	
					gj17292225[gb]AAf47635.1] CG8985	
					gj17292223[gb]AAf47633.1] CG13803	
					gj17289287[gb]AAf45375.1] CG17004	
					gj17301453[gb]AAf58578.1] CG12290	
					gj110728149[gb]AAf57285.2] CG14593	
					gj1729305[gb]AAf48873.1] CG6881	
					gj17297023[gb]AAf52293.1] CG14003	
					gj17303666[gb]AAf58717.1] CG13229	
					gj17293961[gb]AAf49320.1] CG7497	
					gj17290528[gb]AAf45980.1] CG6986	
					gj17293436[gb]AAf48812.1] CG5936	

gj|7294899|gb|AAF50229.1| CG16726
gj|7300732|gb|AAF55878.1| CG10823
gj|7302858|gb|AAF57931.1| CG15614
gj|7299053|gb|AAF54254.1| CG7994
gj|10727189|gb|AAF47323.2| CG13406
gj|7291961|gb|AAF47377.1| CG17084
gj|7291031|gb|AAF46469.1| CG12121

Supplementary Table 2g

ADH

Translation:ENSANGP00000014164 Database:core Gene:ENSANGG00000011675 Clone:AAAB01008960 Contig:AAAB01008960_77 Chr:2L Basepair:15270996 Status:known
Translation:ENSANGP00000020176 Database:core Gene:ENSANGG00000011687 Clone:AAAB01008888 Contig:AAAB01008888_84 Chr:2R Basepair:42989807 Status:known
Translation:ENSANGP00000014363 Database:core Gene:ENSANGG00000011874 Clone:AAAB01008980 Contig:AAAB01008980_262 Chr:3R Basepair:43376363 Status:known
Translation:ENSANGP00000004125 Database:core Gene:ENSANGG00000003275 Clone:AAAB01008987 Contig:AAAB01008987_620 Chr:2R Basepair:713772 Status:known
Translation:ENSANGP00000004035 Database:core Gene:ENSANGG00000003206 Clone:AAAB01008797 Contig:AAAB01008797_38 Chr:3R Basepair:34190608 Status:known
Translation:ENSANGP00000020602 Database:core Gene:ENSANGG00000018113 Clone:AAAB01008960 Contig:AAAB01008960_581 Chr:2L Basepair:27899352 Status:known
Translation:ENSANGP00000018168 Database:core Gene:ENSANGG00000015679 Clone:AAAB01008987 Contig:AAAB01008987_398 Chr:2R Basepair:6270232 Status:known
Translation:ENSANGP00000020544 Database:core Gene:ENSANGG00000018055 Clone:AAAB01008960 Contig:AAAB01008960_581 Chr:2L Basepair:27895555 Status:known
Translation:ENSANGP00000020503 Database:core Gene:ENSANGG00000018014 Clone:AAAB01008960 Contig:AAAB01008960_581 Chr:2L Basepair:27907213 Status:known
Translation:ENSANGP00000014178 Database:core Gene:ENSANGG00000011689 Clone:AAAB01008960 Contig:AAAB01008960_80 Chr:2L Basepair:15364009 Status:novel
Translation:ENSANGP00000014235 Database:core Gene:ENSANGG00000011746 Clone:AAAB01008978 Contig:AAAB01008978_76 Chr:2R Basepair:49728967 Status:known
Translation:ENSANGP00000014832 Database:core Gene:ENSANGG00000012343 Clone:AAAB01008978 Contig:AAAB01008978_76 Chr:2R Basepair:49746205 Status:known
Translation:ENSANGP00000014114 Database:core Gene:ENSANGG00000011625 Clone:AAAB01008960 Contig:AAAB01008960_79 Chr:2L Basepair:15346509 Status:novel

FZD

Translation:ENSANGP00000024916 Database:core Gene:ENSANGG00000019964 Clone:AAAB01008849 Contig:AAAB01008849_30 Chr:3L Basepair:729741 Status:known
Translation:ENSANGP00000013048 Database:core Gene:ENSANGG00000010559 Clone:AAAB01008944 Contig:AAAB01008944_67 Chr:3R Basepair:14073205 Status:known
Translation:ENSANGP00000011388 Database:core Gene:ENSANGG00000008899 Clone:AAAB01008966 Contig:AAAB01008966_117 Chr:3L Basepair:21949652 Status:known
Translation:ENSANGP00000011362 Database:core Gene:ENSANGG00000008873 Clone:AAAB01008966 Contig:AAAB01008966_110 Chr:3L Basepair:22120465 Status:known
Translation:ENSANGP00000013910 Database:core Gene:ENSANGG00000011421 Clone:AAAB01008984 Contig:AAAB01008984_56 Chr:3R Basepair:20476829 Status:known
Translation:ENSANGP00000019989 Database:core Gene:ENSANGG00000017500 Clone:AAAB01008846 Contig:AAAB01008846_337 Chr:X Basepair:2892774 Status:known
Translation:ENSANGP0000001848 Database:core Gene:ENSANGG0000001559 Clone:AAAB01007669 Contig:AAAB01007669_2 Chr:UNKN Basepair:51431911 Status:novel

Translation:ENSANGP00000022369 Database:core Gene:ENSANGG00000020764 Clone:AAAB01008807 Contig:AAAB01008807_402 Chr:2L Basepair:38743331 Status:known
Translation:ENSANGP00000025254 Database:core Gene:ENSANGG00000020769 Clone:AAAB01008807 Contig:AAAB01008807_402 Chr:2L Basepair:38741506 Status:known
Translation:ENSANGP00000022400 Database:core Gene:ENSANGG00000020024 Clone:AAAB01008987 Contig:AAAB01008987_621 Chr:2R Basepair:693555 Status:known
Translation:ENSANGP00000021675 Database:core Gene:ENSANGG00000019186 Clone:AAAB01008799 Contig:AAAB01008799_20 Chr:2R Basepair:18508138 Status:known
Translation:ENSANGP00000021785 Database:core Gene:ENSANGG00000019296 Clone:AAAB01008900 Contig:AAAB01008900_11 Chr:2L Basepair:8225925 Status:known

mGluR

Translation:ENSANGP00000003355 Database:core Gene:ENSANGG00000002695 Clone:AAAB01008900 Contig:AAAB01008900_5 Chr:2L Basepair:8074963 Status:known
Translation:ENSANGP000000022916 Database:core Gene:ENSANGG00000002398 Clone:AAAB01008980 Contig:AAAB01008980_635 Chr:3R Basepair:52690599 Status:known
Translation:ENSANGP000000022961 Database:core Gene:ENSANGG00000004204 Clone:AAAB01008839 Contig:AAAB01008839_49 Chr:3R Basepair:35614152 Status:known
Translation:ENSANGP00000005469 Database:core Gene:ENSANGG00000004204 Clone:AAAB01008839 Contig:AAAB01008839_49 Chr:3R Basepair:35614152 Status:novel
Translation:ENSANGP000000013038 Database:core Gene:ENSANGG000000010549 Clone:AAAB01008944 Contig:AAAB01008944_72 Chr:3R Basepair:14209996 Status:known
Translation:ENSANGP000000013404 Database:core Gene:ENSANGG000000010915 Clone:AAAB01008880 Contig:AAAB01008880_158 Chr:2R Basepair:55322533 Status:known
Translation:ENSANGP000000017114 Database:core Gene:ENSANGG000000014625 Clone:AAAB01008960 Contig:AAAB01008960_534 Chr:2L Basepair:26739352 Status:known
Translation:ENSANGP000000013665 Database:core Gene:ENSANGG000000011176 Clone:AAAB01007982 Contig:AAAB01007982_1 Chr:UNKN Basepair:54480985 Status:known
Translation:ENSANGP000000013666 Database:core Gene:ENSANGG000000011177 Clone:AAAB01008045 Contig:AAAB01008045_1 Chr:UNKN Basepair:56550801 Status:novel

RHOD

Translation:ENSANGP00000000343 Database:core Gene:ENSANGG00000000327 Clone:AAAB01008897 Contig:AAAB01008897_5 Chr:UNKN Basepair:24715556 Status:known
Translation:ENSANGP00000001159 Database:core Gene:ENSANGG00000000998 Clone:AAAB01008859 Contig:AAAB01008859_403 Chr:2R Basepair:21458419 Status:known
Translation:ENSANGP000000004047 Database:core Gene:ENSANGG000000003214 Clone:AAAB01008817 Contig:AAAB01008817_8 Chr:2R Basepair:49964183 Status:known
Translation:ENSANGP000000004049 Database:core Gene:ENSANGG000000003215 Clone:AAAB01008817 Contig:AAAB01008817_10 Chr:2R Basepair:50036512 Status:known
Translation:ENSANGP000000004093 Database:core Gene:ENSANGG000000003249 Clone:AAAB01008794 Contig:AAAB01008794_7 Chr:2R Basepair:34621479 Status:known
Translation:ENSANGP000000004731 Database:core Gene:ENSANGG000000003695 Clone:AAAB01008846 Contig:AAAB01008846_423 Chr:X Basepair:696886 Status:known
Translation:ENSANGP000000004842 Database:core Gene:ENSANGG000000003778 Clone:AAAB01008966 Contig:AAAB01008966_22 Chr:3L Basepair:24312828 Status:known
Translation:ENSANGP000000005403 Database:core Gene:ENSANGG000000004159 Clone:AAAB01008811 Contig:AAAB01008811_94 Chr:X Basepair:19630208 Status:known
Translation:ENSANGP000000006270 Database:core Gene:ENSANGG000000004772 Clone:AAAB01008799 Contig:AAAB01008799_48 Chr:2R Basepair:17802760 Status:novel
Translation:ENSANGP000000006676 Database:core Gene:ENSANGG000000005043 Clone:AAAB01008964 Contig:AAAB01008964_112 Chr:3R Basepair:9552552 Status:known
Translation:ENSANGP000000009053 Database:core Gene:ENSANGG000000006798 Clone:AAAB01008986 Contig:AAAB01008986_95 Chr:3L Basepair:38926892 Status:known
Translation:ENSANGP000000010052 Database:core Gene:ENSANGG000000007563 Clone:AAAB01008846 Contig:AAAB01008846_181 Chr:X Basepair:6791096 Status:known
Translation:ENSANGP00000001269 Database:core Gene:ENSANGG00000001088 Clone:AAAB01008905 Contig:AAAB01008905_36 Chr:2L Basepair:3641780 Status:known
Translation:ENSANGP000000010731 Database:core Gene:ENSANGG000000008242 Clone:AAAB01008807 Contig:AAAB01008807_76 Chr:2L Basepair:46910822 Status:known
Translation:ENSANGP000000010810 Database:core Gene:ENSANGG000000008321 Clone:AAAB01008859 Contig:AAAB01008859_238 Chr:2R Basepair:25576317 Status:novel
Translation:ENSANGP000000010871 Database:core Gene:ENSANGG000000008382 Clone:AAAB01008968 Contig:AAAB01008968_22 Chr:2L Basepair:2972326 Status:known
Translation:ENSANGP000000010994 Database:core Gene:ENSANGG000000008505 Clone:AAAB01008817 Contig:AAAB01008817_8 Chr:2R Basepair:49972037 Status:known
Translation:ENSANGP000000011036 Database:core Gene:ENSANGG000000008547 Clone:AAAB01008944 Contig:AAAB01008944_142 Chr:3R Basepair:15955416 Status:known
Translation:ENSANGP000000011301 Database:core Gene:ENSANGG000000008812 Clone:AAAB01008888 Contig:AAAB01008888_70 Chr:2R Basepair:42652175 Status:known
Translation:ENSANGP000000011477 Database:core Gene:ENSANGG000000008988 Clone:AAAB01008987 Contig:AAAB01008987_422 Chr:2R Basepair:5668632 Status:known
Translation:ENSANGP000000011483 Database:core Gene:ENSANGG000000008994 Clone:AAAB01008948 Contig:AAAB01008948_107 Chr:2L Basepair:7244794 Status:known
Translation:ENSANGP000000011656 Database:core Gene:ENSANGG000000009167 Clone:AAAB01008987 Contig:AAAB01008987_422 Chr:2R Basepair:5680747 Status:known
Translation:ENSANGP000000011679 Database:core Gene:ENSANGG000000009190 Clone:AAAB01008987 Contig:AAAB01008987_413 Chr:2R Basepair:5890401 Status:known
Translation:ENSANGP00000001444 Database:core Gene:ENSANGG00000001231 Clone:AAAB01008952 Contig:AAAB01008952_26 Chr:2R Basepair:60206736 Status:known
Translation:ENSANGP000000011806 Database:core Gene:ENSANGG000000009317 Clone:AAAB01008986 Contig:AAAB01008986_27 Chr:3L Basepair:40629452 Status:known
Translation:ENSANGP000000011949 Database:core Gene:ENSANGG000000009460 Clone:AAAB01008987 Contig:AAAB01008987_622 Chr:2R Basepair:671587 Status:known
Translation:ENSANGP000000012077 Database:core Gene:ENSANGG000000009588 Clone:AAAB01008987 Contig:AAAB01008987_622 Chr:2R Basepair:665867 Status:known
Translation:ENSANGP000000012116 Database:core Gene:ENSANGG000000009627 Clone:AAAB01008987 Contig:AAAB01008987_622 Chr:2R Basepair:669077 Status:known
Translation:ENSANGP000000012131 Database:core Gene:ENSANGG000000009644 Clone:AAAB01008987 Contig:AAAB01008987_619 Chr:2R Basepair:736041 Status:known
Translation:ENSANGP000000012908 Database:core Gene:ENSANGG000000010419 Clone:AAAB01008880 Contig:AAAB01008880_103 Chr:2R Basepair:53949904 Status:known
Translation:ENSANGP000000012916 Database:core Gene:ENSANGG000000010427 Clone:AAAB01008880 Contig:AAAB01008880_99 Chr:2R Basepair:53860017 Status:known
Translation:ENSANGP000000013359 Database:core Gene:ENSANGG000000010870 Clone:AAAB01008986 Contig:AAAB01008986_149 Chr:3L Basepair:37561676 Status:novel
Translation:ENSANGP000000013461 Database:core Gene:ENSANGG000000010972 Clone:AAAB01008799 Contig:AAAB01008799_46 Chr:2R Basepair:17848581 Status:known
Translation:ENSANGP000000014481 Database:core Gene:ENSANGG000000011992 Clone:AAAB01008966 Contig:AAAB01008966_35 Chr:3L Basepair:24001145 Status:known
Translation:ENSANGP00000001526 Database:core Gene:ENSANGG00000001292 Clone:AAAB01008847 Contig:AAAB01008847_17 Chr:X Basepair:11723906 Status:known
Translation:ENSANGP000000014535 Database:core Gene:ENSANGG000000012046 Clone:AAAB01008904 Contig:AAAB01008904_36 Chr:2R Basepair:37339533 Status:known
Translation:ENSANGP000000014846 Database:core Gene:ENSANGG000000012357 Clone:AAAB01008859 Contig:AAAB01008859_402 Chr:2R Basepair:21477526 Status:novel
Translation:ENSANGP000000015288 Database:core Gene:ENSANGG000000012799 Clone:AAAB01008986 Contig:AAAB01008986_261 Chr:3L Basepair:34749314 Status:known
Translation:ENSANGP000000015565 Database:core Gene:ENSANGG000000013076 Clone:AAAB01008846 Contig:AAAB01008846_205 Chr:X Basepair:6187880 Status:known
Translation:ENSANGP000000016187 Database:core Gene:ENSANGG000000013698 Clone:AAAB01008859 Contig:AAAB01008859_141 Chr:2R Basepair:28001678 Status:known
Translation:ENSANGP000000017410 Database:core Gene:ENSANGG000000014921 Clone:AAAB01008987 Contig:AAAB01008987_398 Chr:2R Basepair:6265512 Status:novel
Translation:ENSANGP000000017431 Database:core Gene:ENSANGG000000014942 Clone:AAAB01008987 Contig:AAAB01008987_487 Chr:2R Basepair:4041609 Status:novel
Translation:ENSANGP000000017708 Database:core Gene:ENSANGG000000015219 Clone:AAAB01008960 Contig:AAAB01008960_523 Chr:2L Basepair:26445195 Status:known
Translation:ENSANGP000000018071 Database:core Gene:ENSANGG000000015582 Clone:AAAB01008795 Contig:AAAB01008795_4 Chr:3L Basepair:3329391 Status:known
Translation:ENSANGP000000018143 Database:core Gene:ENSANGG000000015654 Clone:AAAB01008987 Contig:AAAB01008987_388 Chr:2R Basepair:6527327 Status:known
Translation:ENSANGP000000015131 Database:core Gene:ENSANGG00000001296 Clone:AAAB01008847 Contig:AAAB01008847_20 Chr:X Basepair:11817967 Status:known
Translation:ENSANGP000000018165 Database:core Gene:ENSANGG000000015676 Clone:AAAB01008987 Contig:AAAB01008987_400 Chr:2R Basepair:6215421 Status:known
Translation:ENSANGP000000018201 Database:core Gene:ENSANGG000000015712 Clone:AAAB01008823 Contig:AAAB01008823_106 Chr:3L Basepair:10950109 Status:known
Translation:ENSANGP000000018362 Database:core Gene:ENSANGG000000015873 Clone:AAAB01008987 Contig:AAAB01008987_217 Chr:2R Basepair:10797178 Status:known
Translation:ENSANGP000000018402 Database:core Gene:ENSANGG000000015913 Clone:AAAB01008987 Contig:AAAB01008987_133 Chr:2R Basepair:12913824 Status:known
Translation:ENSANGP000000018409 Database:core Gene:ENSANGG000000015920 Clone:AAAB01008987 Contig:AAAB01008987_133 Chr:2R Basepair:12906983 Status:known
Translation:ENSANGP000000018662 Database:core Gene:ENSANGG000000016173 Clone:AAAB01008859 Contig:AAAB01008859_108 Chr:2R Basepair:28844683 Status:known
Translation:ENSANGP000000018708 Database:core Gene:ENSANGG000000016219 Clone:AAAB01008859 Contig:AAAB01008859_117 Chr:2R Basepair:28618034 Status:known
Translation:ENSANGP000000018804 Database:core Gene:ENSANGG000000016315 Clone:AAAB01008859 Contig:AAAB01008859_109 Chr:2R Basepair:28808262 Status:known
Translation:ENSANGP000000018839 Database:core Gene:ENSANGG000000016350 Clone:AAAB01008807 Contig:AAAB01008807_236 Chr:2L Basepair:42880995 Status:known
Translation:ENSANGP000000019217 Database:core Gene:ENSANGG000000016728 Clone:AAAB01008990 Contig:AAAB01008990_506 Chr:3R Basepair:49444485 Status:known
Translation:ENSANGP00000002078 Database:core Gene:ENSANGG00000002442 Clone:AAAB01008859 Contig:AAAB01008859_343 Chr:2R Basepair:22988001 Status:known
Translation:ENSANGP000000019254 Database:core Gene:ENSANGG000000016765 Clone:AAAB01008846 Contig:AAAB01008846_9 Chr:X Basepair:11100586 Status:known
Translation:ENSANGP000000019362 Database:core Gene:ENSANGG000000016873 Clone:AAAB01008799 Contig:AAAB01008799_97 Chr:2R Basepair:16572531 Status:known
Translation:ENSANGP000000019629 Database:core Gene:ENSANGG000000017140 Clone:AAAB01008888 Contig:AAAB01008888_92 Chr:2R Basepair:43175570 Status:known
Translation:ENSANGP000000020010 Database:core Gene:ENSANGG000000017521 Clone:AAAB01008846 Contig:AAAB01008846_378 Chr:X Basepair:1865162 Status:known
Translation:ENSANGP000000020410 Database:core Gene:ENSANGG000000017921 Clone:AAAB01008879 Contig:AAAB01008879_28 Chr:2R Basepair:32221803 Status:known
Translation:ENSANGP000000020441 Database:core Gene:ENSANGG000000017952 Clone:AAAB01008880 Contig:AAAB01008880_31 Chr:2R Basepair:52146392 Status:known
Translation:ENSANGP000000020598 Database:core Gene:ENSANGG000000018109 Clone:AAAB01008933 Contig:AAAB01008933_20 Chr:3L Basepair:4092018 Status:known
Translation:ENSANGP000000020742 Database:core Gene:ENSANGG000000018253 Clone:AAAB01008846 Contig:AAAB01008846_139 Chr:X Basepair:7834243 Status:known
Translation:ENSANGP000000020874 Database:core Gene:ENSANGG000000018385 Clone:AAAB01008987 Contig:AAAB01008987_188 Chr:2R Basepair:11516580 Status:known
Translation:ENSANGP000000021668 Database:core Gene:ENSANGG000000019179 Clone:AAAB01008960 Contig:AAAB01008960_190 Chr:2L Basepair:18124141 Status:known
Translation:ENSANGP00000003015 Database:core Gene:ENSANGG00000002474 Clone:AAAB01008859 Contig:AAAB01008859_373 Chr:2R Basepair:22204378 Status:known
Translation:ENSANGP000000021941 Database:core Gene:ENSANGG000000019452 Clone:AAAB01008816 Contig:AAAB01008816_144 Chr:3L Basepair:17417308 Status:known
Translation:ENSANGP000000021995 Database:core Gene:ENSANGG000000019506 Clone:AAAB01008859 Contig:AAAB01008859_389 Chr:2R Basepair:21814020 Status:known

Translation:ENSANGP00000022270 Database:core Gene:ENSANGG00000019781 Clone:AAAB01008948 Contig:AAAB01008948_42 Chr:2L Basepair:5603671 Status:novel
Translation:ENSANGP00000023070 Database:core Gene:ENSANGG00000020639 Clone:AAAB01008900 Contig:AAAB01008900_161 Chr:2L Basepair:11980150 Status:novel
Translation:ENSANGP00000024963 Database:core Gene:ENSANGG00000014921 Clone:AAAB01008987 Contig:AAAB01008987_398 Chr:2R Basepair:6265512 Status:known
Translation:ENSANGP00000022942 Database:core Gene:ENSANGG00000002658 Clone:AAAB01008879 Contig:AAAB01008879_115 Chr:2R Basepair:34406219 Status:known
Translation:ENSANGP00000023076 Database:core Gene:ENSANGG00000020270 Clone:AAAB01008987 Contig:AAAB01008987_622 Chr:2R Basepair:673806 Status:known
Translation:ENSANGP00000003295 Database:core Gene:ENSANGG00000002658 Clone:AAAB01008879 Contig:AAAB01008879_115 Chr:2R Basepair:34406219 Status:known
Translation:ENSANGP00000003840 Database:core Gene:ENSANGG00000003066 Clone:AAAB01008898 Contig:AAAB01008898_106 Chr:2R Basepair:58279518 Status:known

SEC

Translation:ENSANGP0000001238 Database:core Gene:ENSANGG0000001056 Clone:AAAB01008905 Contig:AAAB01008905_25 Chr:2L Basepair:3930221 Status:known

g|17560268|ref|NP_504332.1| chemoreceptor
g|17563786|ref|NP_507193.1| T03E6.1.p
g|17563588|ref|NP_505081.1| chemoreceptor
g|17563298|ref|NP_504538.1| chemoreceptor
g|17564290|ref|NP_507108.1| 7TM receptor
g|175639146|ref|NP_501130.1| chemoreceptor
g|175644226|ref|NP_506789.1| 7TM receptor
g|17563562|ref|NP_504023.1| chemoreceptor
g|17563716|ref|NP_506730.1| T01G5.3.p
g|17563604|ref|NP_504923.1| chemoreceptor
g|17563570|ref|NP_505088.1| chemoreceptor
g|17563610|ref|NP_504326.1| chemoreceptor
g|17542916|ref|NP_500877.1| Y9C3A.7.p
g|17567356|ref|NP_506893.1| C08B3.10.p
g|17560054|ref|NP_507052.1| 7TM receptor
g|17565356|ref|NP_507192.1| Y32B12B.5.p
g|17542112|ref|NP_500696.1| chemoreceptor
g|17567678|ref|NP_506454.1| C08B3.10.p
g|17563448|ref|NP_503704.1| chemoreceptor
g|17563846|ref|NP_507122.1| C31A11.9.p
g|17507053|ref|NP_493585.1| F32A7.7.p
g|17563552|ref|NP_505092.1| chemoreceptor
g|17568668|ref|NP_503587.1| chemoreceptor
g|17574222|ref|NP_503689.1| chemoreceptor
g|17542110|ref|NP_500668.1| chemoreceptor
g|17563574|ref|NP_505084.1| chemoreceptor
g|17560348|ref|NP_505740.1| F28H7.11.p
g|17563546|ref|NP_505321.1| chemoreceptor
g|17565522|ref|NP_499426.1| W09D6.3.p
g|17569474|ref|NP_507068.1| F10A3.8.p
g|17563592|ref|NP_505090.1| chemoreceptor
g|17542912|ref|NP_500680.1| Y9C9A.5.p
g|17569468|ref|NP_507071.1| F10A3.5.p
g|17568968|ref|NP_506889.1| C55A.1.3.p
g|17562200|ref|NP_507077.1| 7TM receptor
g|17563792|ref|NP_507196.1| T03E6.4.p
g|17563550|ref|NP_505322.1| chemoreceptor
g|17563546|ref|NP_505320.1| chemoreceptor
g|17542922|ref|NP_500674.1| Y9C9A.10.p
g|17542988|ref|NP_500662.1| Y17G8A.7.p
g|17563444|ref|NP_503756.1| chemoreceptor
g|17569462|ref|NP_507074.1| F10A3.13.p
g|17563506|ref|NP_503316.1| chemoreceptor
g|17568972|ref|NP_506891.1| C55A1.5.p
g|17563586|ref|NP_505080.1| chemoreceptor
g|17562992|ref|NP_506821.1| olfactory receptor ODR-10 like
g|17563602|ref|NP_504690.1| chemoreceptor
g|17567252|ref|NP_504098.1| chemoreceptor
g|17563522|ref|NP_504899.1| chemoreceptor
g|17562968|ref|NP_506051.1| C27A.7.7.p
g|17565228|ref|NP_506908.1| Y6E2A.2.p
g|17563446|ref|NP_503703.1| chemoreceptor
g|17563456|ref|NP_504856.1| chemoreceptor
g|17563586|ref|NP_503493.1| chemoreceptor
g|17563632|ref|NP_503438.1| chemoreceptor
g|17560730|ref|NP_510330.1| C31E10.1.p
g|17563096|ref|NP_507571.1| R10E8.5.p
g|17569913|ref|NP_510135.1| T29E4.4.p
g|17563582|ref|NP_505078.1| chemoreceptor
g|17569480|ref|NP_507073.1| F10A3.12.p
g|17563592|ref|NP_503740.1| chemoreceptor
g|17567346|ref|NP_506288.1| B0365.2.p
g|17563516|ref|NP_503741.1| chemoreceptor
g|17565278|ref|NP_503659.1| Y19D10A.2.p
g|17563518|ref|NP_503782.1| chemoreceptor
g|17563594|ref|NP_505089.1| chemoreceptor
g|17563566|ref|NP_503667.1| C13B7.2.p
g|17564092|ref|NP_507162.1| T08C3.1.p
g|17563894|ref|NP_507323.1| T08H2.1.p
g|17563112|ref|NP_506177.1| 7TM receptor
g|17563576|ref|NP_503312.1| chemoreceptor
g|17563512|ref|NP_504932.1| chemoreceptor
g|17563564|ref|NP_505077.1| chemoreceptor
g|17563504|ref|NP_503987.1| chemoreceptor
g|17564604|ref|NP_506916.1| 7TM receptor
g|17566840|ref|NP_507604.1| ZK262.10.p
g|17565096|ref|NP_507481.1| W06D12.4.p
g|17563590|ref|NP_503690.1| chemoreceptor
g|17564094|ref|NP_507161.1| T08C3.2.p
g|17564608|ref|NP_506919.1| 7TM receptor
g|17564338|ref|NP_506518.1| T16A9.2.p
g|17564620|ref|NP_506024.1| 7TM receptor
g|17564616|ref|NP_506922.1| 7TM receptor
g|17542106|ref|NP_501116.1| chemoreceptor
g|17564746|ref|NP_507737.1| T29H2.6.p
g|17563524|ref|NP_503798.1| chemoreceptor
g|17561684|ref|NP_507473.1| F59A1.3.p
g|17561686|ref|NP_507472.1| F59A1.4.p
g|17542920|ref|NP_506875.1| Y9C3A.9.p
g|17563514|ref|NP_504366.1| T19H12.1.p
g|17564156|ref|NP_506742.1| T09F5.3.p
g|17563630|ref|NP_504078.1| chemoreceptor
g|17560968|ref|NP_507057.1| 7TM receptor
g|17560046|ref|NP_507048.1| 7TM receptor
g|17569223|ref|NP_510171.1| R03G8.5.p
g|17542104|ref|NP_501131.1| chemoreceptor
g|17542936|ref|NP_506872.1| Y9C3A.17.p
g|17544684|ref|NP_503270.1| Z0629.8.p
g|17565422|ref|NP_507575.1| Y37H2C.4.p
g|17563978|ref|NP_506973.1| 7TM receptor
g|17567836|ref|NP_505631.1| C12D8.12.p
g|17567700|ref|NP_507018.1| 7TM receptor
g|17563534|ref|NP_503851.1| chemoreceptor
g|17568964|ref|NP_506885.1| C55A1.1.p
g|17569464|ref|NP_507075.1| F10A3.15.p
g|17568110|ref|NP_505505.1| F10A3.11.p
g|17568652|ref|NP_503579.1| chemoreceptor
g|17564614|ref|NP_506923.1| 7TM receptor
g|17567403|ref|NP_510612.1| 7 transmembrane receptor (rhodopsin family)
g|17567463|ref|NP_505070.1| G-protein coupled receptor
g|17567639|ref|NP_509725.1| neurokinin receptor like
g|17567665|ref|NP_510455.1| G-protein coupled receptor
g|17568131|ref|NP_510432.1| 7 transmembrane receptor (rhodopsin family)
g|17568919|ref|NP_504416.1| F5SE10.7.p
g|17568295|ref|NP_510580.1| G-protein coupled receptor (gastrin/cholecystokinin)
g|17568377|ref|NP_509093.1| Muscarinic acetylcholine receptor
g|17568989|ref|NP_508839.1| G-protein coupled receptor
g|17569121|ref|NP_508916.1| G-protein coupled receptor
g|17568919|ref|NP_510555.1| steroid hormone receptor
g|17568395|ref|NP_510833.1| G-protein coupled receptor
g|17568447|ref|NP_510684.1| G-protein coupled receptor, family 1
g|17569449|ref|NP_508905.1| octopamine receptor
g|17569797|ref|NP_509626.1| possible G protein coupled receptor
g|17568909|ref|NP_509106.1| G-protein coupled receptor (family 1)
g|17569983|ref|NP_510779.1| G-protein coupled receptor
g|17570165|ref|NP_508905.1| G-protein coupled receptor
g|17570603|ref|NP_509685.1| hormone receptor
g|17570665|ref|NP_508996.1| G-protein coupled receptor

g|17564102|ref|NP_507021.1| TTM_receptor
g|17564602|ref|NP_506918.1| TTM_receptor
g|17560050|ref|NP_507050.1| F22B8.3.p
g|17563532|ref|NP_503371.1| chemoreceptor
g|17564154|ref|NP_507020.1| TTM_receptor
g|17563530|ref|NP_503849.1| chemoreceptor
g|17561520|ref|NP_505581.1| F57A8.3.p
g|17565226|ref|NP_506907.1| Y6E2A.1.p
g|17564240|ref|NP_502828.1| Y40H7A.1.p
g|17563538|ref|NP_504821.1| chemoreceptor
g|17557702|ref|NP_507017.1| TTM_receptor
g|17563962|ref|NP_506965.1| TTM_receptor
g|17560422|ref|NP_509720.1| G44H10.4.p
g|17535773|ref|NP_498196.1| R0345.1.p
g|17560206|ref|NP_507149.1| F26D2.7.p
g|17564610|ref|NP_506920.1| TTM_receptor
g|17564626|ref|NP_506847.1| T23F1.4.p
g|17563954|ref|NP_506966.1| TTM_receptor
g|17560198|ref|NP_507153.1| F26D2.1.p
g|17563510|ref|NP_504034.1| chemoreceptor
g|17564942|ref|NP_506052.1| VC27A7L.1.p
g|17563526|ref|NP_503831.1| chemoreceptor
g|17559328|ref|NP_504980.1| chemoreceptor
g|17542924|ref|NP_500673.1| Y9C9A.1.1.p
g|17557698|ref|NP_507019.1| TTM_receptor
g|17563528|ref|NP_503807.1| chemoreceptor
g|17563536|ref|NP_503850.1| chemoreceptor
g|17563960|ref|NP_506975.1| TTM_receptor
g|17566844|ref|NP_507035.1| ZK285.1.p
g|17563538|ref|NP_503884.1| chemoreceptor
g|17565298|ref|NP_503660.1| Y19D10A.13.p
g|17559638|ref|NP_507218.1| F14F8.1.p
g|17564452|ref|NP_503672.1| F56A4.7.p
g|17563362|ref|NP_506331.1| TTM_chemoreceptor (srd-family)
g|17563302|ref|NP_506332.1| TTM_chemoreceptor (srd-family)
g|17542078|ref|NP_500838.1| chemoreceptor
g|17558738|ref|NP_506304.1| C05B6.12.p
g|17535041|ref|NP_493857.1| chemoreceptor
g|17565776|ref|NP_503684.1| chemoreceptor
g|17564624|ref|NP_506846.1| T23F1.3.p
g|17563542|ref|NP_504106.1| chemoreceptor
g|17563540|ref|NP_504105.1| chemoreceptor
g|17563308|ref|NP_504569.1| chemoreceptor
g|17563304|ref|NP_506330.1| TTM_chemoreceptor (srd-family)
g|17565520|ref|NP_499425.1| W09D6.12.p
g|17557354|ref|NP_506884.1| B0391.1.p
g|17542076|ref|NP_500836.1| chemoreceptor
g|17563294|ref|NP_504426.1| chemoreceptor
g|17569503|ref|NP_503863.1| chemoreceptor
g|17557654|ref|NP_508447.1| G-protein coupled receptor
g|17563296|ref|NP_506374.1| TTM_chemoreceptor (srd-family)
g|17560606|ref|NP_507183.1| TTM_receptor
g|17544474|ref|NP_503940.1| Y116A9C.40.p
g|17557650|ref|NP_506857.1| Ttm_receptor
g|17542072|ref|NP_500839.1| chemoreceptor
g|17563292|ref|NP_506057.1| TTM_chemoreceptor (srd-family)
g|17542074|ref|NP_502614.1| TTM_chemoreceptor (srd-family)
g|17542070|ref|NP_502001.1| TTM_chemoreceptor (srd-family)
g|17542938|ref|NP_500671.1| Y9C9A.18.p
g|17559472|ref|NP_507069.1| F10A3.7.p
g|17563322|ref|NP_504304.1| chemoreceptor
g|17564612|ref|NP_506921.1| TTM_receptor
g|17542918|ref|NP_500676.1| Y9C9A.8.p
g|17563320|ref|NP_504303.1| chemoreceptor
g|17542440|ref|NP_500845.1| T19E7.5.p
g|17564042|ref|NP_505559.1| T07C12.5.p
g|17542082|ref|NP_500701.1| chemoreceptor
g|17562360|ref|NP_503886.1| K08D9.1.p
g|17563788|ref|NP_507195.1| T03E5.2.p
g|17567003|ref|NP_510252.1| F15A2.3.p
g|17535781|ref|NP_495553.1| chemoreceptor
g|17563312|ref|NP_504973.1| chemoreceptor
g|17543248|ref|NP_502832.1| Y40H7A.5.p
g|17552298|ref|NP_498225.1| C04H11.4.p
g|17563316|ref|NP_504972.1| chemoreceptor
g|17563314|ref|NP_504975.1| chemoreceptor
g|17561088|ref|NP_506554.1| F47B8.7.p
g|17563746|ref|NP_506505.1| T02B5.4.p
g|17562612|ref|NP_506773.1| M01B2.2.p
g|17563310|ref|NP_507207.1| TTM_chemoreceptor (srd-family)
g|17567089|ref|NP_510062.1| F17A2.12.p
g|17564664|ref|NP_507032.1| F36G9.8.p
g|17563318|ref|NP_504974.1| chemoreceptor
g|17562882|ref|NP_505584.1| R04B5.8.p
g|17561092|ref|NP_506555.1| F47B8.9.p
g|17562366|ref|NP_506962.1| K08E8.8.p
g|17563420|ref|NP_503776.1| chemoreceptor
g|17532201|ref|NP_483874.1| chemoreceptor
g|17557755|ref|NP_496498.1| chemoreceptor
g|17564724|ref|NP_506942.1| T26E1.12.p
g|17535635|ref|NP_494186.1| chemoreceptor
g|17562078|ref|NP_507925.1| chemoreceptor
g|17565792|ref|NP_503692.1| Y45G12C.9.p
g|17565474|ref|NP_507855.1| Y39H6C.12.p
g|17557558|ref|NP_504876.1| chemoreceptor
g|17566908|ref|NP_503497.1| chemoreceptor
g|17568056|ref|NP_504079.1| chemoreceptor
g|17568934|ref|NP_504942.1| chemoreceptor
g|17506659|ref|NP_493070.1| F15H9.3.p
g|17542080|ref|NP_500702.1| chemoreceptor
g|17540458|ref|NP_500451.1| chemoreceptor
g|17559656|ref|NP_504379.1| chemoreceptor
g|17559954|ref|NP_507417.1| F20E11.10.p
g|17560658|ref|NP_507001.1| F36G9.9.p
g|17566108|ref|NP_507864.1| Y60A3A.5.p
g|17566201|ref|NP_510211.1| R04D3.12.p
g|17566304|ref|NP_507497.1| Y94A7B.4.p
g|17563394|ref|NP_503786.1| chemoreceptor

g|17566412|ref|NP_507301.1|Y102A5C.29.p
g|17567077|ref|NP_510063.1|F17A2.6.p
g|17563480|ref|NP_504607.1|chemoreceptor
g|17535787|ref|NP_495499.1|chemoreceptor
g|17562870|ref|NP_505331.1|chemoreceptor
g|17532473|ref|NP_494681.1|chemoreceptor
g|17566298|ref|NP_507484.1|Y9A47B.1.p
g|17559128|ref|NP_504137.1|chemoreceptor
g|17563845|ref|NP_493088.1|M01G12.1.p
g|17559202|ref|NP_504171.1|chemoreceptor
g|17561594|ref|NP_507123.1|F57G8.1.p
g|17559114|ref|NP_505760.1|D1054.12.p
g|17569251|ref|NP_510212.1|R04D3.6.p
g|17566302|ref|NP_507485.1|Y9A47B.3.p
g|17506657|ref|NP_493072.1|F15H9.2.p
g|17566066|ref|NP_507523.1|Y59A8B.4.p
g|17569603|ref|NP_492061.1|F13G3.2.p
g|17566064|ref|NP_507522.1|Y59A8B.3.p
g|17567011|ref|NP_510251.1|F15A2.4.p
g|17535899|ref|NP_496206.1|7m receptor
g|17566220|ref|NP_507228.1|Y70C5C.4.p
g|17565226|ref|NP_506913.1|Y8E2A.6.p
g|17539064|ref|NP_502947.1|C35D6.2.p
g|17539062|ref|NP_502946.1|C35D6.1.p
g|17564754|ref|NP_507404.1|T27C5.5.p
g|17564554|ref|NP_504011.1|chemoreceptor
g|175666054|ref|NP_507505.1|Y59A8A.4.p
g|17559128|ref|NP_504135.1|chemoreceptor
g|17569257|ref|NP_510215.1|R04D3.9.p
g|17566434|ref|NP_507872.1|Y113G7A.1.p
g|17559384|ref|NP_507423.1|F08E10.1.p
g|17506661|ref|NP_493071.1|F15H9.4.p
g|17567081|ref|NP_510068.1|F17A2.8.p
g|17559958|ref|NP_507412.1|F08E11.12.p
g|17564022|ref|NP_506834.1|T06E6.9.p
g|17559346|ref|NP_504982.1|chemoreceptor
g|17566818|ref|NP_507618.1|ZK225.7.p
g|17561562|ref|NP_507171.1|F57E7.3.p
g|17566816|ref|NP_507617.1|ZK228.6.p
g|175660604|ref|NP_507177.1|F36D3.6.p
g|17560762|ref|NP_507348.1|F40D4.1.p
g|17564462|ref|NP_507248.1|T20B3.3.p
g|17563380|ref|NP_503144.1|chemoreceptor
g|17559530|ref|NP_507081.1|F11A5.1.p
g|17563324|ref|NP_503663.1|chemoreceptor
g|17559940|ref|NP_507414.1|F20E11.3.p
g|17566414|ref|NP_507302.1|Y102A5C.31.p
g|17565778|ref|NP_503691.1|Y45012C.7.p
g|17561164|ref|NP_507335.1|F48F5.4.p
g|17563378|ref|NP_503157.1|chemoreceptor
g|17566306|ref|NP_507498.1|Y9A47B.5.p
g|17569255|ref|NP_510213.1|R04D3.8.p
g|17564426|ref|NP_507262.1|T19C9.3.p
g|17564552|ref|NP_504010.1|chemoreceptor
g|17566160|ref|NP_507352.1|Y88A4A.1.p
g|17559372|ref|NP_507427.1|F08E10.5.p
g|17531771|ref|NP_494338.1|Y47G7B.1.p
g|17564464|ref|NP_507884.1|Y113G7B.2.p
g|175666312|ref|NP_507500.1|Y9A47B.8.p
g|17560204|ref|NP_507148.1|F26D2.5.p
g|17540476|ref|NP_500452.1|chemoreceptor
g|17565014|ref|NP_503718.1|chemoreceptor
g|17540464|ref|NP_500453.1|chemoreceptor
g|17566820|ref|NP_507619.1|ZK228.8.p
g|17563218|ref|NP_506244.1|R186.2.p
g|17562986|ref|NP_506819.1|R08H4.4.p
g|17566170|ref|NP_507359.1|Y88A4A.7.p
g|17560476|ref|NP_505705.1|F32G8.1.p
g|17560608|ref|NP_507524.1|Y59A8B.5.p
g|17560202|ref|NP_507147.1|F08D2.4.p
g|17563396|ref|NP_504131.1|chemoreceptor
g|17566974|ref|NP_506801.1|ZK1037.8.p
g|17566366|ref|NP_507287.1|Y102A5C.15.p
g|17560766|ref|NP_507350.1|F40D4.3.p
g|17564756|ref|NP_506842.1|T26H5.3.p
g|17557562|ref|NP_504872.1|chemoreceptor
g|17564466|ref|NP_507246.1|T20B3.5.p
g|17569552|ref|NP_507082.1|F11A5.2.p
g|17561854|ref|NP_503803.1|chemoreceptor
g|17562380|ref|NP_506959.1|K08G2.5.p
g|17563637|ref|NP_493069.1|M01G12.13.p
g|17563374|ref|NP_503156.1|chemoreceptor
g|17560764|ref|NP_507349.1|F40D4.2.p
g|17544066|ref|NP_502043.1|Y69E1A.6.p
g|17557566|ref|NP_504875.1|chemoreceptor
g|17564164|ref|NP_506743.1|T09F5.6.p
g|17566102|ref|NP_507867.1|Y60A3A.3.p
g|17535831|ref|NP_494457.1|chemoreceptor
g|17562138|ref|NP_507234.1|K03D7.4.p
g|17564100|ref|NP_507159.1|T08G3.5.p
g|17563346|ref|NP_504323.1|chemoreceptor
g|17563398|ref|NP_503836.1|chemoreceptor
g|17563857|ref|NP_494310.1|chemoreceptor
g|17535819|ref|NP_494463.1|chemoreceptor
g|17535787|ref|NP_494589.1|chemoreceptor
g|17536375|ref|NP_496670.1|7TM receptor
g|17563412|ref|NP_502852.1|chemoreceptor
g|17568778|ref|NP_504995.1|ZK105.2.p
g|17564464|ref|NP_507247.1|T20B3.4.p
g|17569485|ref|NP_509405.1|chemoreceptor
g|17569228|ref|NP_507674.1|RNA dependent RNA polymerase
g|17559416|ref|NP_507271.1|F09C5.7.p
g|17561598|ref|NP_507128.1|F57G8.3.p
g|17508745|ref|NP_491816.1|chemoreceptor
g|17563402|ref|NP_504851.1|chemoreceptor
g|17563342|ref|NP_504524.1|chemoreceptor
g|17535783|ref|NP_495497.1|chemoreceptor
g|17559344|ref|NP_504983.1|chemoreceptor

g|17558696|ref|NP_507488.1| C47A.10.2.p
g|17558578|ref|NP_506759.1| C41G6.14.p
g|17566570|ref|NP_504190.1| chemoreceptor
g|17566842|ref|NP_507600.1| ZK262.11.p
g|17558589|ref|NP_507762.1| C43D7.6.p
g|17561128|ref|NP_504184.1| chemoreceptor
g|17563416|ref|NP_503285.1| F31F4.6.p
g|17563406|ref|NP_503778.1| chemoreceptor
g|17564020|ref|NP_506833.1| T06E6.8.p
g|17557580|ref|NP_504882.1| chemoreceptor
g|17563358|ref|NP_503205.1| chemoreceptor
g|17537569|ref|NP_496974.1| Y54G11A.12.p
g|17563356|ref|NP_503204.1| chemoreceptor
g|17563414|ref|NP_503796.1| chemoreceptor
g|17560646|ref|NP_506998.1| F36G9.2.p
g|17566822|ref|NP_507601.1| ZK262.1.p
g|17566314|ref|NP_507501.1| Y94A7B.9.p
g|17563408|ref|NP_503779.1| chemoreceptor
g|17566310|ref|NP_507502.1| Y94A7B.7.p
g|17535823|ref|NP_494311.1| chemoreceptor
g|17555538|ref|NP_491817.1| chemoreceptor
g|17535855|ref|NP_494498.1| chemoreceptor
g|17559972|ref|NP_506863.1| F21A3.1.p
g|17563404|ref|NP_503777.1| chemoreceptor
g|17535861|ref|NP_494304.1| chemoreceptor
g|17563747|ref|NP_491818.1| chemoreceptor
g|17563384|ref|NP_503800.1| chemoreceptor
g|17562206|ref|NP_507079.1| K05D4.6.p
g|17535853|ref|NP_494458.1| chemoreceptor
g|17561126|ref|NP_504183.1| chemoreceptor
g|17536367|ref|NP_496669.1| 7TM receptor
g|17531309|ref|NP_496460.1| B0334.7.p
g|17566194|ref|NP_507866.1| Y60A3A.4.p
g|17558668|ref|NP_504376.1| chemoreceptor
g|17558630|ref|NP_505813.1| C45B11.4.p
g|17564012|ref|NP_506828.1| T06E6.4.p
g|17558593|ref|NP_494299.1| chemoreceptor
g|17558574|ref|NP_506756.1| C41G6.12.p
g|17566278|ref|NP_506755.1| Y75B12B.9.p
g|17562140|ref|NP_507433.1| K03D7.6.p
g|17564830|ref|NP_497542.1| chemoreceptor
g|17565102|ref|NP_507479.1| W06D12.7.p
g|17563426|ref|NP_503490.1| chemoreceptor
g|17563336|ref|NP_504118.1| chemoreceptor
g|17563794|ref|NP_507198.1| T03E6.5.p
g|17563326|ref|NP_503685.1| chemoreceptor
g|17567087|ref|NP_510066.1| F17A2.11.p
g|17535813|ref|NP_494434.1| chemoreceptor
g|17558912|ref|NP_506119.1| G54D10.6.p
g|17535817|ref|NP_494462.1| chemoreceptor
g|17562994|ref|NP_506823.1| R08H2.3.p
g|17564096|ref|NP_507163.1| T08C3.3.p
g|17560042|ref|NP_507099.1| 7TM receptor
g|17558724|ref|NP_506261.1| C09E6.5.p
g|17535801|ref|NP_494021.1| chemoreceptor
g|17535847|ref|NP_494456.1| chemoreceptor
g|17562498|ref|NP_507376.1| K10G4.7.p
g|17563410|ref|NP_503281.1| chemoreceptor
g|17563390|ref|NP_504918.1| chemoreceptor
g|17563422|ref|NP_503313.1| chemoreceptor
g|17559952|ref|NP_507416.1| F20E11.9.p
g|17535837|ref|NP_496673.1| 7TM receptor
g|17554826|ref|NP_497487.1| chemoreceptor
g|17566814|ref|NP_507616.1| ZK228.5.p
g|17558807|ref|NP_494433.1| chemoreceptor
g|17560466|ref|NP_507100.1| F21H7.11.p
g|17554856|ref|NP_498459.1| chemoreceptor
g|17563400|ref|NP_504869.1| chemoreceptor
g|17558570|ref|NP_506760.1| C41G6.10.p
g|17563369|ref|NP_507328.1| T06E12.7.p
g|17566106|ref|NP_507865.1| Y60A3A.5.p
g|17535811|ref|NP_494432.1| chemoreceptor
g|17535821|ref|NP_494300.1| chemoreceptor
g|17539431|ref|NP_503944.1| C04C3.7.p
g|17563330|ref|NP_503481.1| chemoreceptor
g|17559950|ref|NP_507415.1| F20E11.8.p
g|17569253|ref|NP_510214.1| R04D3.7.p
g|17563332|ref|NP_504119.1| chemoreceptor
g|17542578|ref|NP_502760.1| T27E7.2.p
g|17554828|ref|NP_497521.1| chemoreceptor
g|17531923|ref|NP_494484.1| chemoreceptor
g|17535803|ref|NP_494431.1| chemoreceptor
g|17563002|ref|NP_506816.1| R08H2.7.p
g|17563348|ref|NP_504322.1| chemoreceptor
g|17531557|ref|NP_495632.1| chemoreceptor
g|17563344|ref|NP_504525.1| chemoreceptor
g|17566308|ref|NP_507499.1| Y94A7B.6.p
g|17535825|ref|NP_494305.1| chemoreceptor
g|17567079|ref|NP_510064.1| F17A2.7.p
g|17563334|ref|NP_503482.1| chemoreceptor
g|17563382|ref|NP_504819.1| chemoreceptor
g|17565336|ref|NP_507477.1| Y26G10.2.p
g|17563340|ref|NP_504571.1| chemoreceptor
g|17534989|ref|NP_493785.1| K07E3.11.p
g|17567085|ref|NP_510065.1| F17A2.10.p
g|17532437|ref|NP_494626.1| chemoreceptor
g|17534244|ref|NP_498894.1| chemoreceptor
g|17563386|ref|NP_503807.1| chemoreceptor
g|17563354|ref|NP_503203.1| chemoreceptor
g|17563370|ref|NP_504524.1| chemoreceptor
g|17538320|ref|NP_500337.1| B0546.5.p
g|17564424|ref|NP_507363.1| T19C2.2.p
g|17535795|ref|NP_494588.1| chemoreceptor
g|17563376|ref|NP_504930.1| chemoreceptor
g|17567694|ref|NP_506858.1| C06B8.6.p
g|17559602|ref|NP_507139.1| F13A7.6.p
g|17563362|ref|NP_503228.1| chemoreceptor
g|17535885|ref|NP_494336.1| chemoreceptor

g|17569371|ref|NP_507428.1| F08E10.6.p
g|17536365|ref|NP_496668.1| 7TM receptor
g|17507157|ref|NP_492991.1| F35E2.1.p
g|17562470|ref|NP_503368.1| K10C9.4.p
g|17569167|ref|NP_492980.1| T2H42.1.p
g|17568154|ref|NP_507372.1| Y61B8A.2.p
g|17563364|ref|NP_503793.1| chemoreceptor
g|17570421|ref|NP_509982.1| Y62H9A.1.p
g|17557470|ref|NP_506723.1| C01G10.14.p
g|17532431|ref|NP_494627.1| chemoreceptor
g|17563360|ref|NP_503764.1| chemoreceptor
g|17563368|ref|NP_503190.1| chemoreceptor
g|17563392|ref|NP_504922.1| chemoreceptor
g|17566661|ref|NP_492272.1| F16D3.6.p
g|17563366|ref|NP_503755.1| chemoreceptor
g|17535853|ref|NP_494335.1| chemoreceptor
g|17563348|ref|NP_503795.1| C31B8.1.p
g|17554824|ref|NP_497514.1| chemoreceptor
g|17563428|ref|NP_503247.1| chemoreceptor
g|17559956|ref|NP_507411.1| F20E11.11.p
g|17533419|ref|NP_494323.1| F22E5.4.p
g|17566416|ref|NP_507393.1| Y102A5C.32.p
g|17559560|ref|NP_507091.1| F11A5.11.p
g|17563802|ref|NP_505872.1| T03F7.2.p
g|17558115|ref|NP_494461.1| chemoreceptor
g|17558226|ref|NP_505822.1| RNA binding protein
g|17535799|ref|NP_494453.1| chemoreceptor
g|17566152|ref|NP_503771.1| Y61B8A.1.p
g|17535841|ref|NP_494472.1| chemoreceptor
g|17559566|ref|NP_507143.1| 7TM receptor
g|17564150|ref|NP_506280.1| T09E8.5.p
g|17563424|ref|NP_503994.1| chemoreceptor
g|17568572|ref|NP_506758.1| C41G6.11.p
g|17563338|ref|NP_504117.1| chemoreceptor
g|17562496|ref|NP_503735.1| K10G4.6.p
g|17535835|ref|NP_493782.1| chemoreceptor
g|17558539|ref|NP_494470.1| chemoreceptor
g|17542286|ref|NP_506670.1| chemoreceptor
g|17566058|ref|NP_507503.1| Y9A8A.7.p
g|17558668|ref|NP_507489.1| C47A10.3.p
g|17564158|ref|NP_506739.1| T09F5.5.p
g|17562920|ref|NP_505539.1| R07E5.6.p
g|17558568|ref|NP_506761.1| C41G6.9.p
g|17560782|ref|NP_507341.1| F40D4.11.p
g|17535827|ref|NP_494301.1| chemoreceptor
g|17560274|ref|NP_504536.1| F26E5.10.p
g|17533441|ref|NP_494326.1| F22E5.15.p
g|17564040|ref|NP_505556.1| T07C12.3.p
g|17561648|ref|NP_506481.1| F08E10.6.p
g|17542514|ref|NP_501071.1| seven transmembrane receptor
g|17566172|ref|NP_507358.1| Y8A4A.9.p
g|17563372|ref|NP_503158.1| chemoreceptor
g|17559920|ref|NP_506622.1| C47E8.2.p
g|17564428|ref|NP_507361.1| F19C5.4.p
g|17536543|ref|NP_493749.1| chemoreceptor
g|17569487|ref|NP_508266.1| chemoreceptor
g|17535895|ref|NP_493678.1| T01D1.5.p
g|17567083|ref|NP_510067.1| F17A7.9.p
g|17561208|ref|NP_507308.1| F49H6.4.p
g|17506863|ref|NP_491823.1| F26B1.6.p
g|17564028|ref|NP_506836.1| T06E5.12.p
g|17559646|ref|NP_507140.1| F13A7.8.p
g|17562378|ref|NP_506958.1| K08G2.2.p
g|17565324|ref|NP_505640.1| Y22F5A.2.p
g|17551534|ref|NP_510513.1| F09B12.4.p
g|17565122|ref|NP_507298.1| W06C8.13.p
g|17536369|ref|NP_496671.1| 7TM receptor
g|17560772|ref|NP_507346.1| F40D4.6.p
g|17535829|ref|NP_494465.1| chemoreceptor
g|17559848|ref|NP_504906.1| F19E3.6.p
g|17563328|ref|NP_503307.1| chemoreceptor
g|17566156|ref|NP_507380.1| Y61B8B.1.p
g|17563804|ref|NP_505871.1| T03F7.3.p
g|17563350|ref|NP_504715.1| chemoreceptor
g|17563816|ref|NP_505814.1| T04C12.2.p
g|17564622|ref|NP_506845.1| T23F1.1.p
g|17561600|ref|NP_503737.1| C24B9.5.p
g|17531569|ref|NP_496999.1| C04C3.6.p
g|17535805|ref|NP_494591.1| chemoreceptor
g|17535793|ref|NP_494590.1| chemoreceptor
g|17558982|ref|NP_506889.1| C55A.1.10.p
g|17564018|ref|NP_506830.1| T06E5.7.p
g|17536987|ref|NP_494467.1| Y27F2A.2.p
g|17506973|ref|NP_492876.1| F28D9.2.p
g|17560526|ref|NP_507504.1| Y9A8A.5.p
g|17564732|ref|NP_506841.1| T08E5.1.p
g|17558834|ref|NP_503834.1| C50H11.10.p
g|17541608|ref|NP_502823.1| M199.1.p
g|17563968|ref|NP_507424.1| F08E10.6.p
g|17562586|ref|NP_505993.1| G-protein coupled receptor
g|17565442|ref|NP_503129.1| Y38C9B.2.p
g|17560302|ref|NP_507321.1| F28B1.6.p
g|17562902|ref|NP_503750.1| R05D8.6.p
g|17568714|ref|NP_508196.1| Z04E5.7.p
g|17555596|ref|NP_497445.1| Y22D7AR.8.p
g|17557380|ref|NP_507587.1| B0462.2.p
g|17564854|ref|NP_497953.1| 7tm receptor
g|17533443|ref|NP_494328.1| F22E5.16.p
g|17560774|ref|NP_507345.1| F40D4.7.p
g|17540848|ref|NP_501712.1| F58G6.2.p
g|17567884|ref|NP_504338.1| C13D9.4.p
g|17562382|ref|NP_506960.1| K08G2.6.p
g|17566396|ref|NP_507292.1| Y102A5C.21.p
g|17561172|ref|NP_503268.1| F48G7.6.p
g|17561110|ref|NP_504182.1| F47D2.1.p
g|17557071|ref|NP_493189.1| Z07G7.1.p
g|17558896|ref|NP_506606.1| C53A5.10.p
g|17538286|ref|NP_501183.1| B0496.5.p

g|17566210|ref|NP_507204.1| Y70C5A.2.p
g|17566590|ref|NP_505235.1| ZC190.6.p
g|17562978|ref|NP_504050.1| R08F11.2.p
g|17554834|ref|NP_498372.1| C18F10.6.p
g|17561448|ref|NP_506084.1| F5C5C.9.p
g|17533335|ref|NP_495328.1| F19C5.1.p
g|17566478|ref|NP_507900.1| Y113G7B.9.p
g|17538758|ref|NP_501865.1| ABC transporters
g|17568596|ref|NP_503835.1| C50H11.11.p
g|17569262|ref|NP_506535.1| F40C12.8.p
g|17507199|ref|NP_492897.1| F36D1.2.p
g|17535843|ref|NP_494469.1| chemoreceptor
g|17565072|ref|NP_506167.1| W05B10.5.p
g|17558158|ref|NP_503736.1| Z448B.4.p
g|17563074|ref|NP_506466.1| R10D12.11.p
g|17533447|ref|NP_494327.1| F22E5.18.p
g|17563418|ref|NP_503775.1| chemoreceptor
g|17557720|ref|NP_503975.1| C107G3.7.p
g|17564198|ref|NP_507023.1| T10C6.4.p
g|17561878|ref|NP_505938.1| H12C20.5.p
g|17564160|ref|NP_506740.1| T09F5.6.p
g|17566878|ref|NP_503290.1| Z448B.6.p
g|17555092|ref|NP_499243.1| T16H12.8.p
g|17535751|ref|NP_496052.1| AH6.10.p
g|17563896|ref|NP_505870.1| T03F7.4.p
g|17568750|ref|NP_505532.1| C50C10.3.p
g|17561378|ref|NP_506956.1| F54B8.12.p
g|17544310|ref|NP_502879.1| Y105C5A.11.p
g|17568648|ref|NP_503582.1| C45H4.1.p
g|17565688|ref|NP_498145.1| Y29H12A.1.p
g|17564140|ref|NP_504424.1| T09D3.5.p
g|17557478|ref|NP_503970.1| C02A12.3.p
g|17542338|ref|NP_502227.1| T12A7.7.p
g|17557448|ref|NP_503973.1| C02A12.5.p
g|17563010|ref|NP_506812.1| R08H2.11.p
g|17557860|ref|NP_503665.1| C13B7.4.p
g|17535221|ref|NP_496651.1| F15A4.1.p
g|17554544|ref|NP_507946.1| Y58H6C.2.p
g|17558646|ref|NP_503583.1| C45H4.9.p
g|17561398|ref|NP_503763.1| F54E2.6.p
g|17567333|ref|NP_496650.1| W05F5.7.p
g|17563172|ref|NP_504897.1| R13D7.10.p
g|17563388|ref|NP_504919.1| chemoreceptor
g|17566244|ref|NP_503856.1| Y73C8C.9.p
g|17561832|ref|NP_507837.1| Y59H4.1.p
g|17536371|ref|NP_496672.1| 7TM receptor
g|17566904|ref|NP_503494.1| ZK697.7.p
g|17559856|ref|NP_504903.1| F18E3.10.p
g|17561122|ref|NP_504180.1| F47D2.7.p
g|17562632|ref|NP_503213.1| M02H4.2.p
g|17564722|ref|NP_506941.1| 7 transmembrane receptor (rhodopsin family), Zinc finger, C4 type (two domains)
g|17535767|ref|NP_494964.1| C27D6.9.p
g|17567522|ref|NP_505533.1| C50C10.3.p
g|17557786|ref|NP_504422.1| C110B1.1.p
g|17543354|ref|NP_502821.1| Y41E3.15.p
g|17557952|ref|NP_503244.1| C14C6.9.p
g|17541354|ref|NP_502287.1| K08E4.5.p
g|17568966|ref|NP_503300.1| Y49C4A.3.p
g|17532267|ref|NP_494205.1| C33C12.6.p
g|17538592|ref|NP_500709.1| C09B9.1.p
g|17565038|ref|NP_506129.1| W04D2.2.p
g|17557324|ref|NP_507941.1| B0250.9.p
g|17557318|ref|NP_507942.1| B0250.6.p
g|17562646|ref|NP_503212.1| M02H5.12.p
g|17562688|ref|NP_507834.1| M162.3.p
g|17554846|ref|NP_498365.1| seven-transmembrane receptor
g|17563050|ref|NP_503323.1| R09E12.2.p
g|17537751|ref|NP_494020.1| ZC204.4.p
g|17561368|ref|NP_506952.1| F54B8.7.p
g|17563000|ref|NP_506817.1| R09E5.6.p
g|17566718|ref|NP_506198.1| ZC455.9.p
g|17543038|ref|NP_502675.1| Sugar (and other) transporters
g|17506959|ref|NP_493212.1| 7tm receptor protein
g|17506961|ref|NP_493214.1| 7tm receptor protein
g|17506965|ref|NP_493216.1| 7tm receptor protein
g|17506967|ref|NP_493217.1| 7tm receptor protein
g|17506971|ref|NP_493218.1| 7tm receptor protein
g|17506973|ref|NP_492976.1| F28D9.2.p
g|17507041|ref|NP_493588.1| F32A7.1.p
g|17507043|ref|NP_493589.1| G-protein coupled receptor
g|17507201|ref|NP_492898.1| F36D1.3.p
g|17507077|ref|NP_491456.1| F57C7.6.p
g|17508349|ref|NP_493065.1| M01G12.3.p
g|17508351|ref|NP_493064.1| M01G12.4.p
g|17508355|ref|NP_493062.1| M01G12.6.p
g|17508411|ref|NP_492031.1| M05B5.6.p
g|17508911|ref|NP_493219.1| 7tm receptor protein
g|17508913|ref|NP_493220.1| 7tm receptor protein
g|17508923|ref|NP_493226.1| G-protein coupled receptor
g|17509193|ref|NP_491920.1| T22B5.6.p
g|17509269|ref|NP_493211.1| 7tm receptor protein
g|17509839|ref|NP_490815.1| Y34D9A.2.p
g|17531213|ref|NP_495193.1| B0034.5.p
g|17531307|ref|NP_496459.1| Gonadotropin-releasing hormone receptor like protein
g|17531309|ref|NP_496460.1| B0334.7.p
g|17531317|ref|NP_493699.1| B0432.1.p
g|17531457|ref|NP_497033.1| C01G12.7.p
g|17532123|ref|NP_495491.1| C27H5.6.p
g|17532173|ref|NP_495243.1| C30B5.7.p
g|17532429|ref|NP_494624.1| C46E10.6.p
g|17532567|ref|NP_495532.1| C56C10.5.p
g|17532671|ref|NP_493716.1| D19B3.4.p
g|17532775|ref|NP_496241.1| E04D5.2.p
g|17533217|ref|NP_495752.1| potassium channel
g|17533233|ref|NP_496659.1| 7TM receptor
g|17533343|ref|NP_495329.1| F19C5.6.p
g|17533363|ref|NP_494609.1| F19B10.7.p
g|17533365|ref|NP_494610.1| F19B10.8.p

g|17533505|ref|NP_496185.1| F27E5.5.p
g|17533673|ref|NP_496738.1| F5C3.2.p
g|17533859|ref|NP_494622.1| F40H7.2.p
g|17533861|ref|NP_494616.1| F40H7.3.p
g|17533863|ref|NP_494615.1| F40H7.4.p
g|17533867|ref|NP_494618.1| F40H7.7.p
g|17533869|ref|NP_494619.1| F40H7.8.p
g|17533871|ref|NP_494620.1| F40H7.9.p
g|17534155|ref|NP_496677.1| F49C3.2.p
g|17534215|ref|NP_495770.1| F49E12.5.p
g|17534491|ref|NP_494956.1| F58A6.6.p
g|17534495|ref|NP_494957.1| F58A6.10.p
g|17535595|ref|NP_495569.1| R10H1.2.p
g|17535741|ref|NP_496042.1| AH6.4.p
g|17535743|ref|NP_496044.1| AH6.6.p
g|17535745|ref|NP_496048.1| AH6.7.p
g|17535753|ref|NP_496050.1| AH6.11.p
g|17535765|ref|NP_494965.1| C27D6.10.p
g|17535773|ref|NP_494961.1| C27D6.6.p
g|17535775|ref|NP_496199.1| R05H5.6.p
g|17535849|ref|NP_494337.1| chemoreceptor
g|17536205|ref|NP_494412.1| T11F1.1.p
g|17536333|ref|NP_495352.1| 7TM receptor protein
g|17536979|ref|NP_494443.1| chemoreceptor
g|17536983|ref|NP_494444.1| chemoreceptor
g|17536983|ref|NP_494445.1| chemoreceptor
g|17537049|ref|NP_496762.1| Y38F1A.4.p
g|17537365|ref|NP_493984.1| Y51H7BR.6.p
g|17537405|ref|NP_494759.1| Y52E8A.5.p
g|17537571|ref|NP_497004.1| Y54G11B.1.p
g|17537655|ref|NP_496641.1| 7 transmembrane receptor (rhodopsin family)
g|17537657|ref|NP_496640.1| 7 transmembrane receptor (rhodopsin family)
g|17537659|ref|NP_496642.1| Y57A10C.3.p
g|17537661|ref|NP_496643.1| Y57A10C.10.p
g|17537669|ref|NP_493936.1| Y57G7A.4.p
g|17537771|ref|NP_494034.1| ZC204.15.p
g|17538151|ref|NP_496074.1| 7 transmembrane receptor (rhodopsin family)
g|17538954|ref|NP_501677.1| 7TM receptor
g|17538956|ref|NP_501679.1| 7TM receptor
g|17538976|ref|NP_501518.1| C33D9.4.p
g|17539106|ref|NP_500835.1| C39H1.5.p
g|17539176|ref|NP_500040.1| seven transmembrane receptor
g|17539430|ref|NP_501568.1| angiotensin receptor like
g|17540348|ref|NP_500330.1| F42A6.1.p
g|17540602|ref|NP_502397.1| F53B2.4.p
g|17540702|ref|NP_499946.1| F56A11.4.p
g|17540828|ref|NP_500067.1| F58F6.6.p
g|17540970|ref|NP_500880.1| H04M03.8.p
g|17540972|ref|NP_500881.1| H04M03.9.p
g|17540980|ref|NP_500652.1| H08H21.1.p
g|17541046|ref|NP_501495.1| 7m_1
g|17541056|ref|NP_502922.1| H25K10.3.p
g|17541064|ref|NP_502926.1| H25K10.7.p
g|17541542|ref|NP_499535.1| M04G7.3.p
g|17541938|ref|NP_501056.1| R13H7.1.p
g|17542122|ref|NP_501437.1| T01B11.1.p
g|17542142|ref|NP_503103.1| T02D1.3.p
g|17542194|ref|NP_502392.1| 7TM receptor
g|17542194|ref|NP_501057.1| T05A12.1.p
g|17542380|ref|NP_500948.1| T13A10.6.p
g|17542392|ref|NP_500956.1| T13A10.12.p
g|17542394|ref|NP_500956.1| T13A10.13.p
g|17543060|ref|NP_502686.1| Transposase
g|17543250|ref|NP_502833.1| Y40H7A.6.p
g|17543324|ref|NP_500122.1| Y41D4B.24.p
g|17543376|ref|NP_501097.1| Y43B11A.2.p
g|17543446|ref|NP_502618.1| Y45F10B.6.p
g|17543452|ref|NP_502620.1| Y45F10B.11.p
g|17543640|ref|NP_500029.1| Y56F3AM.2.p
g|17543716|ref|NP_500531.1| Y65H10A.2.p
g|17543856|ref|NP_502569.1| Y62E10A.4.p
g|17544020|ref|NP_500218.1| Y69A2AR.15.p
g|17544104|ref|NP_500957.1| Y73B6BL.10.p
g|17544106|ref|NP_500959.1| Y73B6BL.11.p
g|17550460|ref|NP_509026.1| C15H9.3.p
g|17550952|ref|NP_508965.1| G-protein coupled receptor
g|17551054|ref|NP_508992.1| C46F4.1.p
g|17551080|ref|NP_509514.1| C48C3.3.p
g|17551568|ref|NP_510813.1| F10D7.1.p
g|17551750|ref|NP_498240.1| B0244.10.p
g|17554852|ref|NP_498489.1| R13F6.3.p
g|17555984|ref|NP_499413.1| Y48A6B.1.p
g|17556685|ref|NP_499658.1| ZC482.6.p
g|17557516|ref|NP_504380.1| C03A7.5.p
g|17557518|ref|NP_504381.1| C03A7.6.p
g|17557524|ref|NP_504386.1| C03A7.9.p
g|17557550|ref|NP_504885.1| C03G6.2.p
g|17557576|ref|NP_504887.1| 7 transmembrane receptor
g|17557582|ref|NP_504543.1| C04E3.2.p
g|17557680|ref|NP_504545.1| C04E3.11.p
g|17557886|ref|NP_504339.1| C13D9.5.p
g|17557888|ref|NP_504340.1| C13D9.6.p
g|17558174|ref|NP_503746.1| C24B9.13.p
g|17558376|ref|NP_504776.1| C33C8.1.p
g|17558422|ref|NP_505697.1| transmembranous domains
g|17558428|ref|NP_504431.1| C35A11.1.p
g|17558558|ref|NP_506766.1| C41G6.3.p
g|17558564|ref|NP_506763.1| C41G6.7.p
g|17558566|ref|NP_506764.1| C41G6.8.p
g|17558594|ref|NP_503810.1| C44C3.1.p
g|17558596|ref|NP_503809.1| C44C3.2.p
g|17558598|ref|NP_503806.1| C44C3.3.p
g|17558600|ref|NP_503811.1| C44C3.5.p
g|17558602|ref|NP_503812.1| C44C3.6.p
g|17558604|ref|NP_503813.1| C44C3.7.p
g|17558676|ref|NP_507493.1| C47A10.8.p
g|17558838|ref|NP_503838.1| C50H11.13.p
g|17558846|ref|NP_505608.1| olfactory receptor

g|17558848|ref|NP_505693.1| opoid receptor
g|17558850|ref|NP_505610.1| somatostatin receptor
g|17558852|ref|NP_505611.1| thyrotropin-releasing hormone receptor
g|17558910|ref|NP_506118.1| C54D10.5.p
g|17559194|ref|NP_505423.1| E02C12.2.p
g|17559196|ref|NP_505422.1| E02C12.3.p
g|17559222|ref|NP_504172.1| E03D2.4.p
g|17559436|ref|NP_506434.1| G-protein coupled receptor
g|17559620|ref|NP_504623.1| F13H5.5.p
g|17559646|ref|NP_507225.1| F14F5.6.p
g|17559648|ref|NP_507223.1| F14F8.6.p
g|17559838|ref|NP_506194.1| F18E2.4.p
g|17559846|ref|NP_504905.1| F18E3.5.p
g|17559854|ref|NP_504907.1| F18E3.9.p
g|17559900|ref|NP_504784.1| F20A1.2.p
g|17559902|ref|NP_504778.1| F20A1.3.p
g|17559946|ref|NP_507422.1| F20E11.6.p
g|17560012|ref|NP_507161.1| F20D2.11.p
g|17560404|ref|NP_503292.1| F31F4.3.p
g|17560406|ref|NP_503291.1| F31F4.4.p
g|17560468|ref|NP_505783.1| F32D8.10.p
g|17560510|ref|NP_505940.1| 7 transmembrane receptor (rhodopsin family)
g|17560644|ref|NP_506997.1| F36G9.1.p
g|17560686|ref|NP_503785.1| F37B4.8.p
g|17560754|ref|NP_505034.1| F40A3.7.p
g|17560770|ref|NP_507347.1| F40D5.6.p
g|17560776|ref|NP_507344.1| F40D4.8.p
g|17560892|ref|NP_503336.1| F41H8.1.p
g|17561116|ref|NP_504176.1| F47D2.4.p
g|17561120|ref|NP_504178.1| F47D2.6.p
g|17561200|ref|NP_507264.1| F49A5.8.p
g|17561258|ref|NP_503444.1| F52F10.5.p
g|17561260|ref|NP_505802.1| G-protein coupled receptor
g|17561386|ref|NP_503782.1| F54E2.5.p
g|17561432|ref|NP_506427.1| G-protein coupled receptor
g|17561522|ref|NP_505683.1| 7 transmembrane receptor (rhodopsin family)
g|17561552|ref|NP_505899.1| G-protein coupled receptor
g|17561600|ref|NP_507129.1| F57C6.4.p
g|17561622|ref|NP_504544.1| F58D7.1.p
g|17561728|ref|NP_504017.1| F59B1.5.p
g|17561732|ref|NP_504021.1| F59B1.7.p
g|17561744|ref|NP_503828.1| F59D5.6.p
g|17561856|ref|NP_503804.1| H05B21.3.p
g|17561858|ref|NP_503805.1| H05B21.4.p
g|17561868|ref|NP_504054.1| H10D18.3.p
g|17561932|ref|NP_506996.1| H24D24.1.p
g|17561934|ref|NP_506995.1| H24D24.2.p
g|17561958|ref|NP_503801.1| H27D07.1.p
g|17561960|ref|NP_503797.1| H27D07.2.p
g|17561962|ref|NP_503798.1| H27D07.3.p
g|17561966|ref|NP_503802.1| H27D07.5.p
g|17561968|ref|NP_504726.1| H34P18.1.p
g|17562136|ref|NP_507435.1| K03D7.2.p
g|17562174|ref|NP_503478.1| K04F1.2.p
g|17562254|ref|NP_505299.1| K06C4.17.p
g|17562316|ref|NP_504090.1| K07C6.6.p
g|17562320|ref|NP_504086.1| K07C6.8.p
g|17562322|ref|NP_504085.1| K07C6.9.p
g|17562324|ref|NP_504084.1| seven-transmembrane receptor
g|17562326|ref|NP_504082.1| seven-transmembrane receptor
g|17562430|ref|NP_504114.1| K09D9.10.p
g|17562488|ref|NP_507373.1| K10G4.2.p
g|17562566|ref|NP_503815.1| K12D9.4.p
g|17562568|ref|NP_503816.1| K12D9.5.p
g|17562562|ref|NP_503818.1| K12D9.7.p
g|17562564|ref|NP_503819.1| K12D9.8.p
g|17562566|ref|NP_503820.1| K12D9.9.p
g|17562568|ref|NP_503821.1| K12D9.10.p
g|17562618|ref|NP_506772.1| M01B2.5.p
g|17562844|ref|NP_506596.1| R02D5.6.p
g|17562858|ref|NP_505330.1| R03H4.2.p
g|17562898|ref|NP_503747.1| R05D8.4.p
g|17562920|ref|NP_505539.1| R07B5.5.p
g|17562964|ref|NP_504063.1| R08F11.5.p
g|17563134|ref|NP_503227.1| R11G11.8.p
g|17563176|ref|NP_503331.1| R13D11.3.p
g|17563294|ref|NP_504426.1| chemoreceptor
g|17563352|ref|NP_504714.1| chemoreceptor
g|17563410|ref|NP_503281.1| chemoreceptor
g|17563688|ref|NP_504803.1| T01C4.3.p
g|17563694|ref|NP_504807.1| T01C4.6.p
g|17563704|ref|NP_504692.1| somatostatin receptor
g|17563796|ref|NP_507197.1| T03E6.6.p
g|17563856|ref|NP_504142.1| T05B4.5.p
g|17563860|ref|NP_504143.1| T05B4.7.p
g|17563912|ref|NP_506991.1| T05G11.3.p
g|17563916|ref|NP_506993.1| T05G11.6.p
g|17563918|ref|NP_506994.1| T05G11.7.p
g|17564010|ref|NP_506827.1| 7 transmembrane receptor (rhodopsin family)
g|17564068|ref|NP_504763.1| T07H5.1.p
g|17564072|ref|NP_504761.1| seven transmembrane receptor
g|17564110|ref|NP_507166.1| T08C3.10.p
g|17564196|ref|NP_507022.1| T10C6.3.p
g|17564232|ref|NP_506782.1| T10H4.5.p
g|17564234|ref|NP_506783.1| T10H4.6.p
g|17564236|ref|NP_506784.1| T10H4.7.p
g|17564240|ref|NP_506786.1| 7 transmembrane receptor (rhodopsin family)
g|17564246|ref|NP_504686.1| T10H5.1.p
g|17564322|ref|NP_504729.1| T15B7.11.p
g|17564324|ref|NP_504730.1| T15B7.12.p
g|17564326|ref|NP_504734.1| T15B7.13.p
g|17564406|ref|NP_505858.1| GABA receptor like
g|17564440|ref|NP_504746.1| T19F4.1b.p
g|17564478|ref|NP_504081.1| T20C7.1.p
g|17564568|ref|NP_504042.1| 7 transmembrane receptor (rhodopsin family)
g|17564568|ref|NP_503983.1| T24A5.14.p
g|17564724|ref|NP_506942.1| T26E4.12.p
g|17564760|ref|NP_506844.1| T26H5.5.p

g|17564704|ref|NP_506783.1| 7 transmembrane receptor (rhodopsin family)
g|17565112|ref|NP_507211.1| W06G6.8.p
g|17565362|ref|NP_507202.1| Y32B12C.2.p
g|17565642|ref|NP_507772.1| Y43F8A.4.p
g|17565708|ref|NP_507988.1| Y44A6B.1.p
g|17565790|ref|NP_503509.1| Y46H3A.1.p
g|17565800|ref|NP_503488.1| Y46H3C.1.p
g|17565802|ref|NP_503487.1| Y46H3C.2.p
g|17565804|ref|NP_503486.1| Y46H3C.3.p
g|17565870|ref|NP_503296.1| Y49C4A.5.p
g|17565960|ref|NP_507594.1| Y51A2B.2.p
g|17566274|ref|NP_506753.1| Y75B12B.7.p
g|17566340|ref|NP_505038.1| Y97E10B.2.p
g|17566342|ref|NP_505037.1| Y97E10B.3.p
g|17566346|ref|NP_505035.1| Y97E10B.6.p
g|17566352|ref|NP_505041.1| Y97E10B.9.p
g|17566354|ref|NP_505042.1| Y97E10B.10.p
g|17566398|ref|NP_507293.1| 7 transmembrane receptor (rhodopsin family)
g|17566520|ref|NP_507842.1| Y116F1B.5.p
g|17566588|ref|NP_505234.1| ZC190.5.p
g|17566616|ref|NP_505246.1| ZC196.9.p
g|17566668|ref|NP_504724.1| ZC404.10.p
g|17566670|ref|NP_504725.1| ZC404.11.p
g|17566672|ref|NP_504723.1| ZC404.13.p
g|17566830|ref|NP_507606.1| ZK262.6.p
g|17566900|ref|NP_503489.1| ZK697.6.p
g|17566972|ref|NP_506800.1| ZK1037.7.p
g|17566976|ref|NP_506802.1| 7 transmembrane receptor (rhodopsin family)
g|17566980|ref|NP_506794.1| ZK1037.11.p
g|17567317|ref|NP_508157.1| F52E2.1.p
g|17568003|ref|NP_509940.1| F52D10.4.p
g|17568175|ref|NP_508809.1| olfactory receptor-like protein (weak)
g|17569229|ref|NP_510216.1| R04D3.10.p
g|17569757|ref|NP_509057.1| G-protein receptor
g|17569799|ref|NP_510400.1| 7 transmembrane receptor (rhodopsin family)
g|17570439|ref|NP_509991.1| Y62H9A.10.p
g|17570453|ref|NP_510476.1| 7 transmembrane receptor (rhodopsin family)

Supplementary Table 2i

ADH	STE2	STE3
gi 6320170 ref NP_010249.1	gi 6323421 ref NP_013493.1	gi 6322671 ref NP_012743.1

Supplementary Table 2j

STE2	STE3
gi 19114854 ref NP_593942.1	gi 19115634 ref NP_594722.1

Supplementary Table 2k

ADH	MLO
gi 15221138 ref NP_175261.1	gi 15220529 ref NP_176350.1
	gi 15220339 ref NP_172598.1
	gi 15217453 ref NP_174980.1
	gi 15220263 ref NP_172569.1
	gi 15223324 ref NP_173992.1

Supplementary Table 21

MLO

|cl|382.t00016 putative Mlo