

Online Table 1. FPKM values for each post-MI fibroblast sample.												
	1	2	3	4	5	6	7	8	9	10	11	12
gene	A D0	A D0	A D0	B D1	B D1	B D1	C D3	C D3	C D3	D D7	D D7	D D7
42430	0.1	0.0	0.1	1.0	1.2	0.0	0.1	0.1	0.0	0.1	0.1	0.1
42431	44.6	35.3	27.7	43.1	31.3	43.0	30.4	26.4	28.8	33.0	34.1	32.3
42432	10.1	10.6	11.1	7.9	13.1	7.2	13.2	11.6	12.0	8.7	8.4	10.8
42434	32.3	26.1	27.6	26.7	24.7	25.4	24.5	25.8	27.5	29.8	26.6	25.1
42435	6.4	7.4	6.7	6.5	7.0	6.3	6.5	6.6	6.8	7.7	6.8	7.0
42436	17.7	17.3	18.9	16.3	17.1	16.9	16.4	17.8	17.6	18.0	18.9	18.9
42437	25.4	20.6	18.3	23.6	20.6	23.7	19.1	19.4	21.8	20.6	21.4	22.6
42438	1.7	1.6	1.4	1.7	1.2	2.9	0.8	0.8	0.8	1.4	0.9	0.9
42440	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
42614	0.4	0.2	0.3	0.3	0.3	0.7	0.2	0.6	0.3	0.1	0.3	0.3
42615	126.1	124.0	117.0	141.7	119.5	131.4	118.9	127.3	124.0	114.3	139.3	130.3
42616	0.4	0.2	0.1	0.4	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.1
42617	1.0	2.6	2.6	1.3	1.3	0.5	0.5	1.0	1.0	1.2	0.8	1.1
42618	18.9	22.9	22.6	14.7	16.8	20.1	27.5	32.8	27.6	13.5	24.2	19.4
42619	1.3	1.7	2.3	1.1	1.4	1.5	1.6	2.6	1.7	1.5	1.8	1.3
42620	125.0	127.3	151.2	152.4	122.0	118.7	140.0	142.7	139.0	123.3	157.3	173.2
42621	57.7	64.9	66.8	63.6	57.2	62.1	77.6	89.8	79.9	45.5	65.8	66.6
42622	22.5	20.1	15.1	27.8	24.6	23.5	27.8	17.6	23.7	28.8	26.7	25.9
42623	19.9	21.2	20.9	15.9	17.7	17.0	19.0	18.0	16.8	15.6	19.1	19.5
42624	72.1	91.6	107.3	84.9	82.3	79.1	116.4	114.9	110.0	70.2	108.7	108.4
42627	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42628	244.6	180.8	151.8	253.7	190.6	261.4	185.2	190.1	186.8	218.8	232.0	221.6
0610005C13Rik	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.2	0.0	0.1	0.2
0610007N19Rik	21.5	15.3	16.6	17.8	13.2	23.4	17.0	20.3	16.2	22.3	19.0	19.6
0610007P14Rik	13.4	16.7	21.6	9.0	13.4	13.7	25.1	29.3	20.2	11.5	21.8	13.9
0610009B22Rik	26.7	25.4	24.2	21.3	20.3	26.9	19.0	21.8	25.0	26.6	22.4	24.5
0610009D07Rik	35.5	32.7	31.4	39.3	32.4	37.2	30.1	33.5	29.9	32.9	34.7	35.9
0610009L18Rik	1.8	1.6	2.0	1.8	2.3	1.8	1.6	1.7	2.0	3.1	2.0	1.8
0610009O20Rik	8.6	7.5	7.2	9.4	7.1	7.6	10.6	7.8	8.1	7.8	8.8	7.2
0610010B08Rik	4.2	3.9	3.1	3.3	3.3	4.9	3.0	3.2	3.5	4.8	3.7	4.6
0610010F05Rik	10.9	8.7	7.6	12.4	8.9	10.1	8.3	6.5	8.1	8.5	10.8	9.3
0610010K14Rik	9.3	10.0	9.8	11.2	9.0	12.9	12.0	14.8	12.3	9.2	9.1	10.9
0610011F06Rik	11.6	12.9	9.6	9.6	9.2	19.9	9.2	8.0	8.6	13.3	10.0	9.3
0610012G03Rik	11.0	8.5	7.0	9.7	10.0	11.8	8.2	9.1	9.5	12.2	10.3	9.9
0610012H03Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0610030E20Rik	1.9	2.6	2.6	2.1	2.1	2.2	2.0	2.4	2.3	1.8	2.0	2.2
0610031J06Rik	73.2	61.9	56.2	92.4	81.4	86.1	58.4	55.4	53.1	69.0	59.3	63.2
0610037L13Rik	13.3	12.8	11.1	15.4	11.9	12.9	12.3	13.6	13.0	12.1	14.9	14.3
0610038B21Rik	1.3	1.2	0.8	1.3	1.0	1.2	1.1	1.0	0.7	1.0	1.2	0.5
0610038L08Rik	0.0	0.2	0.0	0.0	0.0	0.4	0.1	0.1	0.0	0.0	0.0	0.0
0610039K10Rik	1.9	1.7	1.2	2.1	1.8	1.3	1.9	1.8	1.6	1.9	1.2	1.4
0610040B10Rik	2.3	1.8	2.4	1.5	1.7	2.3	1.0	1.1	2.8	1.9	2.1	2.1
0610040F04Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
0610043K17Rik	0.1	0.1	0.5	0.4	0.1	0.3	0.1	0.0	0.0	0.2	0.1	0.4
1100001G20Rik	0.0	0.1	0.6	0.0	0.7	0.0	0.4	0.6	0.1	0.3	0.2	0.1
1110001A16Rik	9.1	7.0	8.9	10.7	7.5	11.8	8.0	7.8	6.7	8.4	9.1	9.5
1110001J03Rik	5.2	3.6	4.0	3.3	3.3	3.7	2.7	5.8	4.4	7.2	3.4	4.4
1110002L01Rik	8.5	7.3	5.9	7.8	7.0	7.3	6.5	6.1	5.5	7.2	8.0	7.1
1110004E09Rik	11.3	8.4	7.7	9.8	7.3	9.4	7.5	6.3	6.9	6.9	7.5	8.7
1110004F10Rik	42.8	41.9	47.4	49.5	40.2	45.1	48.3	44.1	44.6	46.0	48.7	47.9
1110006O24Rik	0.4	0.4	0.3	0.4	0.8	0.5	0.3	0.3	0.4	0.5	0.5	0.3
1110007C09Rik	74.9	58.3	49.1	74.4	63.7	57.3	73.1	66.4	52.2	61.1	86.2	61.0
1110008F13Rik	36.3	26.8	26.7	32.9	31.6	23.7	33.4	31.3	30.7	39.2	32.3	33.0
1110008J03Rik	2.6	2.5	2.7	2.2	2.4	3.2	2.4	3.2	2.2	2.6	3.3	2.2

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1110008L16Rik	4.5	4.3	3.9	4.4	3.3	3.6	3.0	3.7	3.2	3.7	3.6	3.6
1110008P14Rik	18.6	13.1	15.9	21.6	15.0	17.3	11.2	15.2	10.0	13.7	12.4	9.7
1110012L19Rik	27.5	25.2	23.6	23.8	18.8	26.0	21.1	21.7	17.8	26.0	24.3	25.3
1110017D15Rik	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.6	0.1
1110018G07Rik	10.1	9.5	9.0	11.0	10.3	10.3	9.8	10.5	10.7	10.9	9.7	10.1
1110019D14Rik	6.4	5.4	5.0	6.2	5.2	5.4	4.4	4.3	4.3	5.1	5.5	5.8
1110020A21Rik	0.4	0.0	0.2	0.3	0.5	0.2	0.2	0.2	0.1	0.2	0.3	0.3
1110032A03Rik	16.2	11.9	13.0	21.3	10.7	20.4	12.2	9.1	9.1	9.9	14.1	13.8
1110034G24Rik	2.4	2.0	1.5	1.8	1.8	2.2	1.5	1.6	1.6	1.9	2.4	1.6
1110035M17Rik	0.4	0.5	0.3	0.7	0.4	1.4	0.2	0.0	0.2	0.4	0.3	0.7
1110036E04Rik	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1110037F02Rik	20.4	20.0	18.6	19.6	18.4	19.8	17.6	16.7	16.4	17.7	19.1	19.3
1110038B12Rik	81.8	50.0	43.8	70.0	52.6	82.2	63.3	59.0	54.2	67.2	63.5	54.5
1110038F14Rik	10.7	12.2	13.4	13.5	10.3	12.4	10.7	14.5	12.7	13.2	13.1	11.0
1110046J04Rik	12.6	10.8	7.9	10.4	10.2	18.2	8.1	9.2	8.9	6.9	8.4	8.7
1110051M20Rik	10.6	9.3	10.9	11.0	8.8	11.7	9.5	12.5	9.7	9.2	10.3	10.1
1110054M08Rik	1.9	2.4	2.6	1.7	2.6	2.4	1.6	2.4	1.2	2.5	1.2	1.8
1110057K04Rik	12.1	11.8	10.6	13.9	11.6	10.9	11.6	12.4	10.9	11.4	12.0	12.1
1110058L19Rik	34.9	34.9	22.2	24.4	27.4	31.6	21.0	26.1	26.1	30.2	31.6	25.4
1110059E24Rik	10.5	10.5	11.5	11.2	10.3	11.1	10.0	10.9	10.9	10.5	11.2	11.6
1110059G10Rik	3.0	2.8	3.2	2.6	2.8	3.3	2.9	3.4	2.9	2.9	3.3	3.1
1110059M19Rik	0.3	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.2	0.2	0.0
1110065P20Rik	21.1	17.4	15.7	15.9	17.6	18.0	19.7	21.5	25.0	22.6	19.6	18.0
1190002F15Rik	3.3	4.0	6.2	0.6	5.9	2.0	7.8	1.6	4.1	2.8	4.5	3.5
1190002N15Rik	28.7	27.2	24.8	18.7	18.1	19.6	27.3	25.0	31.4	34.2	41.5	29.8
1190003J15Rik	0.2	0.1	0.1	0.3	0.1	0.4	0.1	0.1	0.0	0.1	0.0	0.1
1190005I06Rik	1.0	0.9	0.9	0.3	0.7	1.1	0.5	0.9	0.8	1.3	0.4	1.0
1190007I07Rik	3.6	3.6	3.1	6.7	3.0	4.3	2.4	2.2	2.3	4.2	4.6	2.7
1200011I18Rik	9.1	9.8	10.7	10.6	9.1	10.2	8.9	9.8	8.4	9.5	11.4	11.3
1200014J11Rik	5.8	5.9	6.6	5.1	4.9	5.1	6.8	6.7	6.1	5.4	7.1	6.3
1300002E11Rik	5.2	3.5	5.0	6.8	4.2	5.8	4.6	5.6	4.8	3.3	5.6	5.4
1300002K09Rik	0.1	0.1	0.1	0.2	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.0
1300017J02Rik	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1
1300018J18Rik	7.3	6.1	6.1	8.4	6.6	7.8	8.1	6.2	6.5	7.5	7.4	6.8
1500002O10Rik	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
1500004A13Rik	1.4	1.6	1.5	1.4	1.6	1.6	1.6	1.6	1.0	1.2	1.5	1.7
1500009L16Rik	5.2	7.6	9.3	8.1	13.8	10.0	6.7	3.5	3.6	3.0	2.9	3.4
1500011B03Rik	4.6	5.2	4.8	6.5	5.5	6.1	4.9	4.8	4.8	4.9	4.6	3.8
1500011K16Rik	20.1	15.3	13.2	21.1	19.0	22.6	14.7	17.5	15.3	13.6	16.0	14.4
1500012F01Rik	26.8	15.4	17.8	18.2	18.4	24.9	19.8	23.8	23.6	33.3	30.8	32.2
1500015A07Rik	0.7	0.4	0.6	1.1	0.9	0.8	0.7	0.7	0.6	0.3	0.6	0.9
1500015L24Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1500015O10Rik	7.1	8.5	9.6	5.9	6.6	5.9	10.6	7.7	11.9	12.2	7.9	8.4
1500017E21Rik	0.2	0.3	0.4	0.6	0.6	0.1	0.5	0.2	0.2	0.2	0.5	0.3
1500032L24Rik	77.3	60.4	61.8	73.9	75.7	71.6	76.8	73.1	73.1	87.9	84.7	94.0
1600002H07Rik	5.1	5.7	5.1	9.3	5.7	9.5	4.3	3.3	3.0	3.7	3.6	2.8
1600002K03Rik	21.1	14.6	11.1	19.5	15.7	16.5	16.7	13.2	16.5	18.3	17.3	17.6
1600010M07Rik	0.1	0.0	0.2	0.8	0.7	0.0	0.0	0.0	0.0	0.2	0.0	0.1
1600012H06Rik	12.6	13.0	15.0	14.0	14.3	15.8	15.5	17.0	18.3	19.4	20.1	21.5
1600014C10Rik	12.6	11.1	11.0	12.9	12.3	10.9	12.6	11.1	11.9	12.5	13.6	13.2
1600014C23Rik	0.0	0.0	0.1	0.3	0.2	0.0	0.0	0.1	0.0	0.0	0.3	0.1
1600016N20Rik	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0
1600020E01Rik	5.6	4.4	3.5	2.8	3.9	4.5	2.2	3.8	3.1	4.8	3.5	4.0
1600023N17Rik	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.1	0.0	0.1	0.0
1600029D21Rik	0.2	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.0
1700001C19Rik	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700001G11Rik	0.6	0.9	0.9	0.4	0.8	0.9	0.5	0.9	0.7	0.9	0.2	0.6

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1700001G17Rik	0.1	0.1	0.3	0.1	0.3	0.1	0.3	0.4	0.1	0.2	0.2	0.1
1700001J03Rik	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0
1700001J11Rik	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
1700001K19Rik	0.2	0.1	0.1	0.3	0.2	0.3	0.2	0.0	0.1	0.1	0.1	0.1
1700001K23Rik	0.1	0.2	0.1	0.0	0.0	0.0	0.2	0.1	0.2	0.0	0.0	0.2
1700001L05Rik	0.4	0.7	0.4	0.3	0.6	0.4	0.4	0.3	0.3	0.5	0.4	0.3
1700001L19Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1700001O22Rik	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.0
1700001P01Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0
1700003E16Rik	0.6	0.9	0.8	0.4	0.8	0.8	0.7	0.2	0.4	0.2	0.3	0.7
1700003F12Rik	0.8	0.6	0.2	0.6	0.5	0.7	0.2	0.1	0.2	0.3	0.6	0.2
1700003M02Rik	0.2	0.2	0.0	0.3	0.2	0.1	0.1	0.0	0.1	0.2	0.1	0.2
1700003M07Rik	1.0	0.9	0.6	0.8	0.9	0.6	0.9	0.5	0.5	1.0	1.0	0.7
1700007B14Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700007G11Rik	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.4	0.0	0.1
1700007J10Rik	0.8	1.0	0.7	0.7	1.1	0.8	1.2	1.3	1.0	1.1	1.0	1.0
1700007K13Rik	6.9	6.9	7.4	4.1	7.7	5.9	3.6	3.2	3.2	6.1	5.8	6.0
1700007L15Rik	2.4	1.7	2.1	1.0	1.1	1.8	1.1	1.5	1.6	1.1	2.1	0.5
1700007P06Rik	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.0
1700008F21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
1700008I05Rik	0.1	0.0	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
1700008J07Rik	0.9	0.9	0.6	0.6	1.1	1.1	1.2	0.6	0.7	1.2	1.2	0.9
1700008O03Rik	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.1	0.0	0.0	0.1	0.2
1700009N14Rik	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1
1700009P17Rik	1.8	2.1	1.7	1.5	1.8	1.8	1.6	1.3	1.1	1.4	1.6	1.9
1700010I14Rik	2.3	1.7	1.6	2.5	1.7	2.1	1.4	1.1	1.1	1.9	1.6	1.5
1700011J10Rik	1.8	1.6	1.6	1.4	1.2	1.9	1.4	2.3	1.6	1.9	1.1	1.6
1700012B15Rik	2.7	3.1	2.0	3.3	3.4	3.8	3.0	2.2	2.4	3.1	3.0	2.9
1700012D01Rik	1.0	1.1	2.1	0.0	1.3	1.2	1.5	1.4	1.5	1.1	0.8	0.9
1700012D14Rik	0.2	0.2	0.3	0.6	0.3	0.2	0.3	0.1	0.1	0.2	0.2	0.2
1700013G23Rik	1.8	0.6	1.1	1.0	1.4	1.0	1.5	0.7	0.8	0.5	0.6	1.3
1700015F17Rik	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.2	0.0
1700016K19Rik	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700016L04Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1700017B05Rik	1.8	2.1	1.9	2.3	3.7	1.6	2.9	3.4	3.0	3.0	2.9	2.6
1700018L02Rik	3.3	3.4	2.6	2.1	2.3	2.5	4.0	4.4	2.9	3.3	2.7	4.0
1700019B21Rik	0.3	0.3	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.3	0.1	0.2
1700019G17Rik	0.7	0.6	0.4	0.3	0.3	0.2	0.2	0.3	0.4	0.5	0.3	0.2
1700019L03Rik	1.3	0.5	0.3	1.4	0.8	0.7	0.9	0.4	0.6	0.8	0.5	0.6
1700020D05Rik	0.2	0.8	0.3	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.6	0.3
1700020I14Rik	39.6	41.4	39.4	52.5	41.2	46.4	38.3	31.2	38.1	36.3	42.9	40.5
1700020L24Rik	0.8	0.7	0.8	0.9	0.7	1.3	0.8	0.8	0.9	0.5	0.6	0.6
1700021F05Rik	20.8	16.7	20.5	28.1	16.1	25.1	23.5	18.3	15.9	17.7	21.4	25.8
1700021K19Rik	8.4	9.0	7.9	9.9	8.3	10.1	8.2	8.7	9.0	7.5	8.2	7.5
1700022I11Rik	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.1
1700023A16Rik	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
1700023F06Rik	0.2	0.2	0.0	0.1	0.1	0.4	0.1	0.0	0.0	0.1	0.2	0.1
1700024P16Rik	0.2	0.3	0.0	0.6	0.3	0.4	0.3	0.1	0.1	0.2	0.3	0.3
1700025E21Rik	0.6	0.2	0.1	0.4	0.1	0.3	0.3	0.0	0.1	0.2	0.1	0.3
1700025G04Rik	2.4	2.1	2.7	1.9	2.2	2.7	2.1	2.9	2.0	2.6	2.9	2.5
1700025N23Rik	0.0	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
1700026D08Rik	0.1	0.1	0.1	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
1700026L06Rik	0.4	0.4	0.2	0.4	0.5	0.3	0.2	0.3	0.4	0.4	0.4	0.1
1700028D13Rik	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.0	0.1	0.3	0.0
1700028E10Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1700028I16Rik	0.1	0.1	0.1	0.0	0.2	0.1	0.0	0.1	0.1	0.3	0.2	0.0
1700028J19Rik	0.1	0.3	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1

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1700028K03Rik	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1
1700028P14Rik	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1700029H14Rik	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1
1700029I15Rik	0.0	0.2	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.2
1700029J07Rik	1.4	1.0	1.2	1.2	0.7	1.9	0.5	0.9	0.7	0.8	0.9	0.8
1700030C10Rik	1.3	0.8	0.7	1.1	0.5	1.3	0.8	0.5	0.6	0.8	0.5	0.5
1700030J22Rik	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.2
1700030K09Rik	2.9	2.5	2.5	3.1	2.5	2.8	2.5	2.5	2.4	3.2	2.3	2.5
1700030L20Rik	0.9	1.1	0.6	0.5	1.2	0.6	0.9	0.7	0.5	1.2	1.0	0.4
1700034E13Rik	0.3	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.1	0.7	0.3
1700034F02Rik	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.4	0.2	0.3
1700034H15Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700034I23Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
1700034J05Rik	0.4	1.0	0.6	0.4	0.4	0.6	0.5	0.7	0.4	0.6	0.6	0.6
1700034P13Rik	2.9	3.9	3.9	3.8	4.1	3.1	4.0	3.7	3.9	4.0	3.9	3.8
1700037C18Rik	0.6	0.5	0.7	1.0	0.4	1.2	0.6	0.6	0.9	0.6	0.4	0.3
1700037H04Rik	15.4	16.2	11.1	20.1	15.2	21.3	21.0	13.0	23.6	16.9	17.6	16.1
1700040L02Rik	1.1	0.9	0.4	0.6	0.5	0.5	0.5	0.3	0.3	0.5	0.8	0.4
1700042O10Rik	0.1	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1700047G03Rik	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.1
1700047M11Rik	0.1	0.2	0.4	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
1700048M11Rik	0.2	0.5	0.1	0.6	0.5	0.3	0.3	0.3	0.4	0.1	0.0	0.1
1700048O20Rik	0.6	0.5	0.2	0.2	0.3	0.4	0.3	0.2	0.5	0.3	0.2	0.3
1700049G17Rik	1.8	2.0	2.1	1.4	1.7	2.0	1.5	1.8	1.7	1.9	1.6	2.2
1700052K11Rik	2.4	2.7	2.9	2.2	2.3	2.0	2.4	3.3	3.1	3.0	3.2	3.5
1700052N19Rik	6.1	8.6	9.7	5.4	6.9	4.8	6.6	6.7	7.0	6.8	6.5	7.6
1700055N04Rik	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
1700056E22Rik	0.4	0.3	0.2	0.5	0.4	0.1	0.1	0.4	0.4	0.5	0.4	0.1
1700057G04Rik	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700058G18Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1
1700061G19Rik	0.3	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.1	0.0	0.3	0.1
1700061I17Rik	0.2	0.2	0.5	0.0	0.2	0.0	0.3	0.1	0.1	0.2	0.0	0.1
1700063D05Rik	0.1	0.2	0.1	0.1	0.0	0.2	0.0	0.0	0.1	0.3	0.1	0.2
1700066B19Rik	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.1
1700066J24Rik	2.4	2.3	2.0	3.5	2.3	3.3	3.1	2.0	2.2	3.3	2.3	2.4
1700066M21Rik	2.7	3.3	4.4	3.4	2.9	3.3	2.9	2.9	3.7	3.8	4.0	3.6
1700067K01Rik	0.3	0.0	0.2	0.3	0.1	0.0	0.1	0.3	0.1	0.1	0.1	0.2
1700071K01Rik	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0
1700071M16Rik	0.1	0.0	0.0	0.8	0.6	0.0	0.0	0.1	0.0	0.1	0.1	0.0
1700073E17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700084C01Rik	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700084E18Rik	0.1	0.4	0.6	0.0	0.7	0.0	0.2	0.5	0.4	0.1	0.2	0.5
1700084J12Rik	0.1	0.1	0.1	0.4	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.0
1700086O06Rik	0.8	0.1	0.4	1.1	0.8	0.3	0.4	0.5	0.3	0.6	0.4	0.4
1700088E04Rik	4.6	4.9	3.1	4.0	3.6	4.8	3.3	3.8	3.8	4.5	5.4	3.5
1700093K21Rik	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700094D03Rik	1.0	0.7	0.7	1.1	0.8	1.2	0.6	0.5	0.5	0.7	0.7	0.5
1700094J05Rik	0.1	0.1	0.5	0.2	0.4	0.4	0.3	0.5	0.2	0.4	0.3	0.1
1700096K18Rik	0.4	0.4	0.4	0.8	0.4	0.8	0.5	0.6	0.3	0.4	0.7	0.8
1700101E01Rik	0.0	0.4	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0
1700101I11Rik	0.0	0.2	0.4	0.1	0.2	0.2	0.0	0.1	0.2	0.5	0.0	0.2
1700102P08Rik	0.0	0.3	0.1	0.0	0.1	0.0	0.1	0.2	0.2	0.1	0.2	0.1
1700105P06Rik	0.4	0.4	0.1	0.1	0.2	0.3	0.0	0.2	0.2	0.1	0.1	0.1
1700108F19Rik	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
1700109F18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
1700109H08Rik	0.3	0.1	0.2	0.3	0.3	0.2	0.6	0.4	0.2	0.4	0.2	0.3
1700110C19Rik	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

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1700111N16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700112E06Rik	4.0	3.2	3.7	4.9	3.9	6.3	3.5	2.9	2.0	3.4	1.8	3.3
1700113A16Rik	1.0	0.9	0.8	1.5	0.8	1.1	0.7	0.7	1.1	0.7	0.8	0.8
1700120C14Rik	0.4	0.2	0.1	1.6	0.3	0.3	0.0	0.4	0.1	0.0	0.2	0.8
1700120K04Rik	0.2	0.4	0.0	0.4	0.1	0.0	0.0	0.0	0.2	0.3	0.6	0.4
1700123I01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1700123L14Rik	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.1
1700123M08Rik	0.5	0.3	0.2	0.2	0.2	0.5	0.2	0.5	0.5	0.1	0.4	0.5
1700123O20Rik	11.8	10.2	10.1	11.3	11.5	12.2	11.7	11.8	12.1	12.2	13.6	11.3
1700125G22Rik	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
1700125H03Rik	0.0	0.2	0.3	0.0	0.5	0.4	0.8	0.1	0.3	0.1	0.0	0.2
1700125H20Rik	0.0	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
1700128F08Rik	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810008I18Rik	0.5	0.6	0.1	0.1	0.1	0.2	0.2	0.3	0.1	0.0	0.6	0.1
1810009A15Rik	62.9	61.1	59.7	73.2	47.2	62.8	55.1	60.8	42.3	56.7	63.8	61.1
1810010D01Rik	0.3	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.6	0.0	0.0
1810010H24Rik	0.2	0.3	0.6	0.1	0.5	0.6	0.1	0.2	0.5	0.3	0.2	0.3
1810011H11Rik	0.5	0.0	0.0	2.5	5.4	0.0	0.8	0.1	0.1	0.5	0.0	0.3
1810011O10Rik	0.3	0.4	0.9	0.1	0.4	0.1	0.6	1.5	0.9	3.0	1.6	1.3
1810012K16Rik	0.1	0.3	0.4	0.0	0.4	0.6	0.2	0.1	0.3	0.1	0.0	0.3
1810013D10Rik	16.1	13.2	9.6	11.1	11.3	12.2	12.9	13.2	12.0	14.3	13.0	12.9
1810013L24Rik	16.8	20.2	18.6	19.0	17.7	19.3	17.2	17.7	20.4	19.6	20.2	19.4
1810014B01Rik	0.6	0.7	0.6	1.2	0.4	0.9	0.4	0.6	0.6	0.7	0.6	0.7
1810019D21Rik	0.8	0.8	1.2	0.6	0.7	0.5	1.4	0.7	1.1	1.6	1.6	1.3
1810019J16Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1810020O05Rik	0.1	0.1	0.0	0.1	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0
1810021B22Rik	1.3	1.1	1.5	2.3	1.4	1.8	2.4	2.0	1.3	1.8	1.2	2.0
1810022K09Rik	117.2	123.9	111.2	141.4	104.4	130.1	97.7	114.4	103.8	123.8	139.4	130.4
1810024B03Rik	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
1810026B05Rik	0.9	1.0	1.3	0.9	1.1	1.2	0.9	1.3	1.4	1.7	1.3	1.4
1810026J23Rik	9.4	9.3	8.6	9.4	9.3	8.3	9.0	8.3	9.9	10.3	8.8	9.6
1810030O07Rik	14.4	13.3	12.6	14.7	11.4	13.4	11.7	13.3	11.3	12.2	12.6	12.9
1810032O08Rik	2.8	2.5	2.2	2.3	3.5	2.6	3.4	2.6	3.3	2.3	2.1	2.0
1810033B17Rik	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0
1810034E14Rik	1.8	1.8	1.1	1.4	1.5	2.2	1.4	1.5	1.0	0.6	1.5	1.6
1810037I17Rik	62.6	61.9	54.6	67.2	63.9	62.6	61.4	53.5	69.4	80.0	76.2	80.4
1810041L15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810043G02Rik	5.7	6.2	6.7	7.0	6.9	8.1	6.8	6.3	5.7	7.2	5.9	6.2
1810043H04Rik	21.8	21.6	14.7	21.1	17.6	21.2	17.1	19.0	20.8	19.8	17.9	17.4
1810044D09Rik	2.5	2.1	1.3	1.6	2.1	2.8	1.2	0.6	1.5	3.2	1.6	1.8
1810055G02Rik	19.4	18.2	20.2	23.2	22.1	19.2	29.3	21.5	20.0	18.2	23.4	20.3
1810058I24Rik	33.2	27.9	25.9	32.9	28.7	33.6	25.7	32.0	30.3	35.8	29.0	29.5
1810062G17Rik	1.7	2.0	1.4	1.9	1.2	1.5	1.2	1.2	1.0	0.7	1.2	1.2
1810062O18Rik	0.6	0.4	0.5	0.8	0.7	0.3	0.6	0.5	0.6	0.9	1.1	0.8
1810064F22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810065E05Rik	0.3	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.2	0.2
2010001E11Rik	0.2	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0
2010001M06Rik	6.7	8.0	10.5	5.8	4.6	14.3	3.0	3.1	2.9	7.3	6.0	8.3
2010002M12Rik	0.6	0.5	0.4	0.8	0.4	0.6	0.3	0.2	0.2	0.2	0.2	0.4
2010003K11Rik	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0
2010003O02Rik	24.9	18.9	14.9	19.7	20.9	27.3	13.7	19.6	21.0	23.5	19.2	19.6
2010009K17Rik	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.0
2010010A06Rik	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.3
2010012O05Rik	2.6	2.4	2.0	2.7	2.3	2.4	3.1	3.2	2.3	2.6	2.8	3.3
2010015L04Rik	1.2	1.1	1.2	1.3	1.1	1.1	1.4	1.1	0.5	1.1	1.3	0.9
2010016I18Rik	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2010107E04Rik	162.1	126.3	100.0	122.8	138.8	147.6	101.6	117.4	128.4	143.0	121.9	121.2

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2010107G12Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
2010107G23Rik	2.6	1.2	0.9	1.7	1.0	2.9	0.8	0.6	0.7	1.6	1.1	0.9
2010109A12Rik	0.1	1.1	0.3	0.5	0.4	0.4	0.9	0.4	0.3	0.3	0.4	0.5
2010111I01Rik	16.0	12.7	9.1	15.7	12.5	13.0	9.2	8.4	7.7	11.3	10.5	9.2
2010204K13Rik	1.2	0.4	0.7	0.4	0.1	1.9	0.6	0.8	0.5	0.6	0.4	1.0
2010300C02Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
2010310C07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.1	0.1
2010315B03Rik	2.8	3.4	4.6	3.7	3.3	4.0	2.9	3.2	3.5	3.7	3.7	4.1
2010320M18Rik	7.0	5.4	8.4	6.2	6.9	8.0	6.7	7.8	8.7	11.8	8.2	9.4
2200002D01Rik	16.7	8.6	5.3	18.1	8.4	17.9	12.2	12.3	10.5	9.5	13.6	9.0
2210010C04Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
2210013O21Rik	37.7	30.5	27.4	32.4	25.7	39.1	22.1	32.5	29.7	28.7	31.0	26.3
2210015D19Rik	2.9	1.8	1.7	2.6	1.9	2.8	2.5	2.3	2.2	2.5	2.2	2.2
2210016F16Rik	15.7	14.4	14.3	15.2	14.0	13.9	15.0	14.3	14.6	15.3	15.2	16.1
2210016L21Rik	18.4	14.4	14.6	19.0	14.1	18.2	13.7	15.4	13.2	13.8	14.9	14.5
2210018M11Rik	3.8	4.3	5.6	4.0	4.4	3.6	6.0	5.4	4.7	3.9	5.5	5.3
2210039B01Rik	0.5	0.5	0.8	0.8	0.5	0.9	0.5	1.0	0.4	0.4	0.4	0.6
2210404J11Rik	3.8	3.1	2.9	3.3	3.5	3.1	2.4	2.7	3.0	2.7	2.7	2.8
2210404O07Rik	0.2	0.6	0.4	0.3	0.3	0.0	0.1	0.6	0.2	0.6	0.5	0.1
2210404O09Rik	1.9	2.6	2.5	1.5	2.2	2.3	1.9	2.2	2.1	2.3	2.4	2.7
2210408F21Rik	11.8	13.8	9.9	11.5	10.0	11.3	7.6	9.6	10.1	12.4	9.8	11.4
2210408I21Rik	1.1	1.4	1.4	1.7	1.5	1.8	1.7	1.5	1.5	2.1	1.7	1.8
2210416O15Rik	0.3	0.1	0.1	0.3	0.1	0.4	0.2	0.3	0.3	0.4	0.1	0.3
2210417K05Rik	0.5	0.1	0.6	0.4	0.2	0.8	0.6	0.4	0.3	0.5	0.7	0.4
2300009A05Rik	5.5	4.3	4.3	5.8	4.6	6.0	4.1	5.5	4.1	7.8	3.7	4.8
2310001H17Rik	0.9	1.0	0.8	1.1	1.5	0.5	1.4	0.9	0.9	1.4	1.3	1.0
2310001K24Rik	0.0	0.2	0.4	0.2	0.0	0.1	0.0	0.0	0.2	0.2	0.0	0.0
2310002F09Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310003H01Rik	1.3	1.4	1.6	1.0	1.3	2.0	1.4	1.6	1.6	1.3	1.3	1.0
2310005E17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
2310005G13Rik	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
2310007B03Rik	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2310008H04Rik	11.0	10.7	13.4	7.8	10.7	9.0	10.4	13.3	10.1	8.3	11.4	10.8
2310008H09Rik	12.0	11.5	10.7	11.7	8.9	10.1	10.6	9.7	8.5	9.5	11.5	9.8
2310008N11Rik	0.4	0.2	0.1	0.2	0.1	0.0	0.0	0.3	0.2	0.2	0.3	0.2
2310009A05Rik	11.3	14.7	20.9	20.0	15.7	19.2	18.2	17.5	15.8	16.2	18.5	16.6
2310009B15Rik	10.3	7.5	8.6	8.9	8.3	11.7	10.0	11.5	10.4	6.4	8.6	8.9
2310010J17Rik	2.7	1.9	1.7	3.1	3.9	3.2	2.7	2.9	2.2	3.2	3.8	6.1
2310010M20Rik	0.0	0.1	0.2	0.2	0.0	0.0	0.2	0.1	0.0	0.1	0.0	0.0
2310011J03Rik	16.2	15.0	12.8	17.5	15.4	16.6	15.4	14.7	15.7	16.5	12.8	15.6
2310014F07Rik	0.2	0.2	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
2310014L17Rik	0.4	0.4	0.4	0.3	0.5	0.3	0.4	0.2	0.7	0.7	0.3	0.4
2310015A10Rik	1.1	0.7	0.7	0.8	0.7	0.8	0.6	0.7	0.5	0.6	0.7	0.8
2310015D24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
2310022A10Rik	1.3	2.0	1.4	2.0	2.1	1.4	1.4	1.4	1.5	1.6	1.4	1.2
2310022B05Rik	23.9	33.9	27.3	24.9	21.6	23.6	31.1	27.7	43.5	22.4	26.5	30.3
2310030G06Rik	1.1	0.8	0.9	1.5	0.4	0.5	0.5	1.0	0.8	3.9	2.3	1.5
2310033P09Rik	5.3	6.1	8.6	5.4	5.7	5.7	7.0	7.6	6.1	6.7	7.1	7.8
2310034G01Rik	0.3	0.2	0.5	0.6	0.4	0.2	0.5	0.3	0.4	0.5	0.5	0.5
2310035C23Rik	9.0	8.8	7.5	7.8	8.4	6.9	8.8	7.8	8.9	8.9	9.8	9.5
2310036O22Rik	69.1	57.6	57.8	61.6	59.3	49.5	77.5	74.5	69.1	74.3	73.1	65.8
2310039H08Rik	8.5	7.6	6.2	7.3	7.7	9.0	9.4	9.4	7.7	9.5	10.4	8.0
2310039L15Rik	1.0	1.4	1.4	1.0	1.2	1.1	1.5	0.6	0.8	0.9	0.7	0.6
2310040G24Rik	0.5	0.6	0.4	1.2	0.8	0.7	0.7	0.5	0.5	0.3	0.6	0.9
2310042D19Rik	0.3	0.3	0.3	0.3	0.4	0.4	0.2	0.1	0.2	0.2	0.2	0.2
2310044G17Rik	3.8	4.3	3.3	5.6	4.7	4.5	3.7	3.9	3.9	4.4	3.9	3.6
2310045N01Rik	41.6	36.8	35.5	40.9	29.3	39.4	36.6	43.9	30.6	40.3	42.7	36.5

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2310047M10Rik	6.5	7.0	6.8	6.4	6.7	6.5	8.7	7.7	7.9	7.7	7.6	6.8
2310057M21Rik	2.8	3.7	2.9	3.4	3.6	3.1	3.1	2.6	3.2	3.3	3.8	3.3
2310061I04Rik	2.4	2.8	2.9	2.9	2.5	3.1	3.4	3.2	2.5	2.2	2.8	2.6
2310061J03Rik	1.7	2.5	1.3	1.6	1.1	1.8	2.2	2.2	2.8	3.0	2.2	2.2
2310067B10Rik	1.6	2.4	2.8	1.9	2.2	2.0	2.1	2.9	2.7	2.3	1.9	1.8
2310068J16Rik	0.1	0.1	0.3	0.2	0.2	0.2	0.1	0.2	0.3	0.3	0.2	0.2
2310069B03Rik	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
2410002F23Rik	8.1	6.1	6.0	9.5	8.9	7.3	9.4	7.6	7.7	7.0	8.2	7.5
2410003L11Rik	0.1	0.0	0.1	0.5	0.1	0.0	0.1	0.0	0.1	0.2	0.2	0.0
2410004B18Rik	10.6	11.0	10.4	11.9	9.6	8.6	13.3	11.5	11.8	13.8	12.4	12.7
2410004I01Rik	0.1	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
2410004N09Rik	16.4	9.7	9.7	11.0	13.0	22.3	11.9	10.0	10.6	14.1	12.7	11.8
2410004P03Rik	0.1	0.4	0.7	0.4	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.2
2410006H16Rik	105.3	82.6	84.9	75.3	79.1	143.7	83.3	116.8	109.7	106.8	99.6	89.3
2410015M20Rik	70.2	63.4	51.7	57.7	58.8	64.6	53.9	57.1	57.0	68.3	63.8	56.3
2410016O06Rik	1.9	2.2	1.4	1.3	2.0	1.7	2.0	1.8	2.4	3.0	2.3	2.0
2410018L13Rik	1.9	1.1	0.8	1.6	0.9	1.8	1.4	1.1	1.5	1.6	1.2	1.2
2410018M08Rik	5.7	5.0	3.8	5.8	5.0	5.0	4.4	4.6	5.0	5.7	4.6	5.1
2410021H03Rik	0.0	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
2410057H14Rik	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.2	0.3	0.0	0.2
2410066E13Rik	13.4	11.7	9.8	15.4	12.1	14.3	9.0	7.9	8.2	7.7	9.4	9.5
2410076I21Rik	0.2	0.2	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2
2410089E03Rik	2.9	4.0	4.2	2.8	3.2	3.6	3.3	3.8	3.5	2.9	3.2	3.0
2410127L17Rik	10.0	11.0	12.1	10.3	11.0	13.2	9.9	11.8	10.2	11.6	14.2	13.4
2410131K14Rik	5.7	4.1	3.3	5.9	5.0	5.7	4.8	4.0	4.5	4.9	4.4	3.9
2500004C02Rik	0.9	0.8	1.0	0.7	0.7	0.7	0.6	0.7	1.0	1.3	1.0	1.0
2510002D24Rik	2.2	2.6	3.2	2.5	2.9	3.1	2.4	2.8	2.6	2.0	2.6	3.3
2510003E04Rik	22.7	24.5	22.2	24.7	20.3	25.8	23.8	21.4	21.5	22.4	23.4	23.2
2510009E07Rik	3.0	4.2	5.2	4.5	4.9	4.2	3.8	5.5	4.5	4.1	4.5	5.2
2510039O18Rik	18.1	16.0	13.6	18.1	16.8	16.8	18.5	15.4	17.7	17.8	15.8	15.0
2510049J12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2600006L11Rik	1.1	1.1	0.9	2.2	0.8	1.2	0.4	0.6	0.8	2.0	0.6	0.7
2610001J05Rik	9.8	10.0	9.3	10.6	13.5	10.6	10.9	10.4	13.9	13.1	12.0	11.6
2610002J02Rik	18.1	18.6	14.8	19.9	15.8	19.8	15.9	16.4	16.6	14.1	13.5	14.1
2610002M06Rik	2.6	2.9	3.4	2.5	2.6	3.2	3.0	3.3	2.9	3.2	3.0	3.6
2610005L07Rik	14.0	15.2	16.1	16.3	13.3	15.9	16.0	14.8	15.1	12.2	14.8	14.5
2610008E11Rik	24.9	24.3	18.4	29.5	18.4	29.4	18.8	13.7	21.4	17.5	23.5	21.7
2610015P09Rik	3.0	2.5	3.1	3.2	2.0	3.0	2.0	1.9	1.9	2.4	2.6	2.5
2610018G03Rik	0.5	0.3	0.5	0.1	0.3	0.1	0.1	0.4	1.2	11.9	5.7	3.0
2610019E17Rik	6.5	6.0	3.9	6.0	7.3	4.2	5.6	11.6	3.9	6.0	10.2	7.3
2610019F03Rik	13.4	10.8	10.3	13.3	8.3	9.5	8.9	8.0	10.2	16.2	11.8	12.8
2610020C07Rik	0.3	0.3	0.6	0.2	0.2	0.4	0.3	0.4	0.2	0.2	0.5	0.3
2610020H08Rik	2.1	2.2	1.9	0.9	1.7	1.0	2.3	1.6	2.3	2.0	1.6	1.9
2610027K06Rik	0.3	0.3	0.3	0.6	0.3	0.4	0.7	0.4	0.4	0.3	0.2	0.2
2610034B18Rik	7.3	7.3	9.5	8.7	7.8	8.8	10.9	7.9	8.8	6.6	9.1	9.3
2610035D17Rik	1.6	2.0	1.9	2.8	2.2	2.7	2.0	2.4	2.3	2.0	2.1	1.6
2610037D02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2610044O15Rik8	3.9	3.3	3.8	3.1	4.4	2.9	3.8	3.7	3.7	3.2	4.5	3.6
2610203C20Rik	6.1	8.6	8.4	6.7	7.0	8.4	7.5	5.7	5.9	7.7	8.0	7.0
2610203C22Rik	0.3	0.3	0.1	0.9	1.0	0.5	0.5	0.2	0.3	0.4	0.2	0.4
2610204G22Rik	0.9	1.5	0.9	1.1	0.5	1.2	0.7	0.9	1.1	0.8	0.2	0.8
2610301B20Rik	9.9	8.5	8.9	10.2	7.5	10.3	6.8	8.0	6.8	7.8	8.5	8.2
2610301G19Rik	6.4	5.7	6.1	5.6	6.0	6.1	6.1	6.7	5.8	5.4	5.1	4.6
2610305D13Rik	1.7	2.3	2.9	2.9	2.4	3.4	2.8	2.5	1.9	1.9	3.1	2.9
2610306M01Rik	2.7	2.9	2.0	1.7	2.2	2.6	2.1	1.7	1.9	2.5	2.8	2.8
2610307P16Rik	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.2
2610318N02Rik	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0

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2610507B11Rik	26.2	22.6	22.5	35.6	33.5	25.5	23.8	22.5	20.0	26.8	24.4	25.1
2610507I01Rik	2.2	2.5	2.6	3.1	2.2	3.4	1.8	2.8	1.8	1.8	2.1	1.9
2610524H06Rik	4.1	4.2	3.2	4.2	4.6	4.6	4.3	4.9	4.2	3.7	3.3	3.1
2610528A11Rik	0.1	0.1	0.0	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0
2700029M09Rik	10.0	10.0	11.0	8.7	12.0	11.2	11.6	10.4	10.0	8.8	10.2	10.8
2700038G22Rik	0.1	0.1	0.2	0.1	0.3	0.1	0.3	0.1	0.1	0.1	0.2	0.2
2700046G09Rik	1.2	1.1	1.3	1.4	1.4	1.2	1.2	1.4	0.9	1.1	1.7	1.2
2700049A03Rik	2.4	3.2	3.5	2.1	2.6	2.3	2.6	2.9	2.5	2.3	2.5	2.7
2700050L05Rik	3.8	4.1	3.7	2.6	3.6	3.4	3.4	3.2	3.6	4.5	4.0	3.7
2700054A10Rik	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2
2700060E02Rik	103.3	79.7	88.5	89.5	79.5	94.1	81.9	84.5	74.0	82.8	90.5	93.6
2700062C07Rik	7.9	8.2	7.8	9.7	6.2	8.6	7.7	10.8	9.4	8.8	10.1	7.3
2700069I18Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
2700070H01Rik	0.6	0.2	0.4	0.3	0.3	0.5	0.2	0.0	0.1	0.1	0.1	0.2
2700081L22Rik	0.1	0.2	0.7	0.2	0.0	0.4	0.0	0.2	0.1	0.1	0.5	0.1
2700081O15Rik	2.2	2.2	2.6	1.4	1.6	2.5	2.7	4.7	5.1	3.9	3.4	2.9
2700089E24Rik	33.0	29.6	34.3	40.5	29.7	40.5	35.6	36.8	31.8	34.6	39.7	39.1
2700094K13Rik	4.7	5.8	6.0	3.3	6.3	6.9	6.2	4.9	6.3	7.1	5.5	5.9
2700097O09Rik	4.7	4.4	2.8	4.1	4.9	4.0	3.7	4.3	4.6	5.0	4.4	3.4
2700099C18Rik	0.7	1.9	2.1	0.7	1.7	0.2	1.7	0.4	1.7	0.6	0.8	0.6
2810001G20Rik	1.3	1.0	0.9	0.8	1.2	1.8	1.0	1.3	1.5	1.6	1.2	1.1
2810002D19Rik	1.9	1.6	2.6	2.1	2.5	3.0	2.3	3.1	2.0	2.7	3.3	2.8
2810004N23Rik	22.1	18.4	16.9	24.0	17.4	20.6	17.7	18.2	15.2	19.1	21.3	20.7
2810006K23Rik	4.7	5.4	6.1	5.1	5.2	5.2	4.6	5.8	4.1	4.8	6.2	5.7
2810008D09Rik	4.6	4.2	3.7	2.3	4.7	5.3	4.0	2.3	4.7	4.6	2.1	2.8
2810013P06Rik	2.5	2.3	2.0	3.0	2.6	3.7	2.1	2.6	2.9	4.3	2.4	2.8
2810021J22Rik	1.6	1.7	1.6	1.8	1.3	1.5	1.4	1.1	1.3	1.3	1.7	1.4
2810025M15Rik	6.0	4.8	4.8	6.5	5.4	6.6	5.8	5.7	5.8	6.8	5.4	5.8
2810029C07Rik	0.5	0.7	0.4	0.3	0.5	0.6	0.4	0.2	0.3	0.3	0.4	0.6
2810032G03Rik	2.0	2.3	1.9	1.6	1.0	1.9	0.9	0.9	0.6	0.9	0.9	1.2
2810047C21Rik1	4.6	3.4	3.4	4.8	4.1	4.3	2.9	3.1	4.3	1.9	2.6	2.8
2810055G20Rik	1.8	1.4	1.7	1.9	1.0	1.3	1.3	1.3	1.0	1.5	1.8	1.8
2810403A07Rik	12.9	14.0	13.6	14.1	13.9	14.0	14.0	12.4	13.6	12.4	12.9	13.0
2810403D21Rik	0.2	0.1	0.4	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.3	0.0
2810405F15Rik	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1
2810407C02Rik	28.8	24.8	27.3	34.8	27.6	36.3	25.8	26.8	25.0	27.8	36.6	35.5
2810408A11Rik	0.9	0.6	0.7	0.7	0.5	0.6	0.2	0.6	0.5	0.5	0.6	0.9
2810408I11Rik	2.0	2.7	2.4	1.2	1.8	0.6	2.6	2.7	2.5	2.2	3.3	2.2
2810408M09Rik	4.1	3.8	3.5	3.7	4.3	4.0	3.8	3.6	3.8	4.1	4.1	3.9
2810410L24Rik	0.5	0.5	0.4	0.3	0.6	0.4	0.2	0.5	0.8	0.3	0.5	0.4
2810417H13Rik	2.6	4.8	9.8	0.8	7.9	1.1	8.3	4.5	6.5	4.0	6.6	4.4
2810428I15Rik	34.2	28.7	26.4	31.2	33.9	28.9	27.4	40.9	35.7	29.9	31.1	31.0
2810429I04Rik	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0
2810433D01Rik	2.7	2.5	3.1	2.5	2.4	1.8	1.9	2.9	2.6	3.0	1.8	3.0
2810442I21Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
2810442N19Rik	0.2	0.0	0.3	0.1	0.1	0.1	0.3	0.6	0.3	0.1	0.1	0.2
2810454H06Rik	0.3	0.6	0.5	0.3	0.5	0.4	0.5	0.8	0.5	0.4	0.5	0.5
2810459M11Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2810468N07Rik	1.0	1.0	0.5	0.9	0.9	1.4	0.8	0.7	0.7	0.5	0.7	0.5
2810474O19Rik	6.0	6.2	6.9	6.4	7.8	5.7	5.9	5.6	7.4	9.0	8.3	10.4
2900002K06Rik	0.8	0.4	0.9	0.5	0.6	0.6	0.6	0.7	1.0	0.2	0.6	1.1
2900005J15Rik	0.4	0.5	0.3	0.5	0.2	0.6	0.4	0.3	0.5	0.2	0.2	0.2
2900008C10Rik	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0
2900009J06Rik	0.8	0.6	0.5	0.6	0.8	0.9	1.0	0.6	0.3	1.1	0.3	0.5
2900011O08Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2900026A02Rik	4.2	3.4	2.9	3.7	4.2	4.0	7.6	5.2	5.7	4.1	6.5	4.6
2900041M22Rik	1.0	0.9	0.7	0.4	0.6	1.0	0.5	0.5	0.4	0.3	0.4	0.5

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2900056M20Rik	0.3	0.3	0.6	0.6	0.5	0.6	0.5	0.5	0.3	0.5	0.6	0.6
2900057B20Rik	0.2	0.4	0.1	0.2	0.2	0.4	0.2	0.1	0.1	0.2	0.2	0.1
2900060B14Rik	3.1	2.6	4.7	4.2	5.6	2.8	3.8	3.3	5.3	3.8	2.4	4.7
2900076A07Rik	1.4	0.9	1.3	2.7	1.8	2.4	1.1	0.6	1.2	0.8	1.5	0.8
2900092C05Rik	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.0
2900097C17Rik	52.7	55.0	55.2	59.8	56.6	57.1	50.8	58.3	57.3	63.8	59.5	65.3
3000002C10Rik	1.5	1.5	1.4	1.9	1.0	1.7	1.7	1.9	1.0	1.2	1.2	1.2
3010001F23Rik	0.1	0.2	0.8	0.1	0.2	0.5	0.8	0.5	0.2	0.1	0.2	0.1
3010026O09Rik	2.6	2.5	3.4	2.6	2.2	3.6	2.9	2.4	2.6	2.0	2.3	2.0
3100003L05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3110001D03Rik	25.2	21.6	20.7	21.2	23.0	22.3	25.1	22.6	27.0	25.1	25.1	25.6
3110001I22Rik	1.4	0.9	1.0	0.7	1.2	0.8	0.6	0.8	0.9	1.2	1.3	1.2
3110002H16Rik	15.3	13.7	11.7	16.6	17.5	13.8	14.7	13.5	13.8	13.4	14.8	14.1
3110007F17Rik	0.8	1.3	1.2	0.4	0.8	1.5	1.1	1.4	1.0	0.8	0.8	1.3
3110009E18Rik	1.9	2.1	2.6	1.3	2.2	3.1	1.3	1.7	2.0	2.8	3.0	2.7
3110021A11Rik	0.3	0.2	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.4	0.1
3110021N24Rik	2.9	2.9	2.3	3.1	2.0	3.4	2.8	3.4	2.0	2.4	2.7	3.2
3110035E14Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.1
3110039I08Rik	0.7	0.3	0.6	0.3	0.2	0.3	0.4	0.2	0.2	0.4	0.2	0.2
3110040N11Rik	15.5	15.4	20.2	18.9	13.5	19.9	17.6	16.7	12.7	14.7	18.6	17.5
3110043O21Rik	6.2	6.5	5.7	6.3	6.9	5.5	4.7	4.4	6.1	6.7	5.2	5.9
3110045C21Rik	1.7	2.7	2.7	1.4	1.7	1.2	2.1	1.8	2.2	1.5	2.5	1.0
3110047P20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3110052M02Rik	1.3	1.8	1.5	1.4	1.1	2.1	1.4	1.3	1.4	1.4	1.5	1.3
3110056K07Rik	2.0	2.3	1.9	2.9	2.1	2.8	3.0	2.3	1.9	2.8	1.7	2.2
3110057O12Rik	1.1	1.3	1.5	1.1	0.8	1.2	0.9	0.9	1.0	0.9	1.0	1.4
3110062M04Rik	9.4	7.4	6.9	11.5	9.2	11.9	7.6	5.8	6.5	7.5	7.3	8.9
3110070M22Rik	1.0	0.9	0.9	0.8	0.7	0.9	0.9	0.8	0.9	0.8	0.4	1.4
3110082I17Rik	3.3	4.2	2.7	4.9	3.5	4.9	3.8	3.8	2.4	2.8	4.0	3.5
3110082J24Rik	0.9	0.7	0.6	0.2	1.0	0.4	0.7	1.0	1.0	0.4	0.5	0.7
3200001D21Rik	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0
3230401D17Rik	18.0	17.4	16.9	20.8	18.5	16.6	17.8	15.6	17.5	18.8	19.5	17.8
3300002I08Rik	2.8	3.0	2.4	1.3	2.1	1.7	1.5	1.6	1.9	3.1	1.6	1.7
3300005D01Rik	33.3	24.3	20.9	42.1	27.7	44.5	33.9	23.4	19.9	17.5	22.7	25.1
3425401B19Rik	0.2	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.0	0.1	0.0	0.1
3632451O06Rik	3.6	4.0	5.5	2.7	1.7	2.5	4.1	2.9	2.1	2.8	3.3	4.1
3632454L22Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3830403N18Rik	2.6	2.1	2.4	2.7	2.7	2.7	2.5	2.5	2.2	2.2	4.7	2.3
3830406C13Rik	10.8	10.9	11.9	12.4	12.0	11.2	11.5	11.6	10.3	13.4	13.9	14.0
3830408C21Rik	0.4	0.4	0.7	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3
3930402G23Rik	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
4430402I18Rik	0.4	0.5	0.5	0.4	0.3	0.9	0.3	0.7	0.4	0.4	0.3	0.5
4632415K11Rik	4.5	4.0	3.7	4.1	3.4	5.0	3.4	3.6	3.2	4.3	4.0	3.5
4632415L05Rik	1.8	1.4	1.8	2.3	1.8	2.3	2.2	1.9	1.6	1.8	1.9	2.1
4632427E13Rik	4.5	4.9	4.3	5.2	4.4	4.1	4.3	5.2	6.0	4.4	3.5	5.1
4632428C04Rik	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3
4632428N05Rik	7.3	11.6	13.8	9.4	13.6	6.5	8.9	9.0	10.1	11.3	8.4	12.2
4632434I11Rik	6.9	9.1	10.0	4.1	9.9	3.9	8.5	4.8	8.1	8.1	8.1	7.2
4732415M23Rik	0.6	1.0	0.7	0.9	0.4	2.0	0.4	0.6	0.6	0.6	1.2	1.5
4732416N19Rik	0.1	0.0	0.0	0.4	0.1	0.1	0.0	0.1	0.1	0.1	0.3	0.0
4732471J01Rik	0.2	0.2	0.3	0.2	0.2	0.1	0.3	0.2	0.1	0.5	0.1	0.1
4732491K20Rik	0.7	0.4	0.4	0.9	0.4	0.7	0.6	0.4	0.3	0.5	0.6	0.4
4831440E17Rik	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.0	0.1
4833403I15Rik	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.1	0.4	0.4	0.0
4833412C05Rik	3.3	1.8	1.1	3.2	2.4	4.3	1.6	0.7	1.2	0.9	3.7	1.0
4833417C18Rik	0.2	0.3	0.3	0.3	0.2	0.0	0.2	0.2	0.1	0.0	0.1	0.3
4833418N02Rik	1.1	1.8	1.3	1.4	1.6	1.0	1.3	1.1	1.5	1.5	1.2	1.6

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4833419F23Rik	0.9	0.8	1.3	2.0	1.0	1.2	1.4	1.5	1.1	0.8	1.4	1.2
4833420G17Rik	8.0	9.7	9.1	8.8	8.0	8.7	7.1	7.9	7.8	8.5	8.3	8.0
4833422C13Rik	0.9	0.7	1.3	1.0	1.4	0.5	1.0	1.0	1.2	1.1	0.8	1.0
4833427F10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
4833427G06Rik	3.2	3.2	2.6	1.2	2.1	2.6	1.0	1.1	1.5	1.8	0.9	2.2
4833439L19Rik	53.0	48.4	39.6	59.6	44.7	56.7	42.7	37.7	39.9	38.6	43.2	39.7
4921507L20Rik	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.1	0.0	0.2	0.1	0.0
4921507P07Rik	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1
4921508A21Rik	0.3	0.5	0.1	0.4	0.4	0.3	0.2	0.4	0.4	0.4	0.1	0.1
4921511C10Rik	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.0	0.1	0.1	0.0
4921511I17Rik	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.0
4921513I03Rik	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.1
4921524J17Rik	15.6	13.5	19.2	13.7	14.1	12.1	14.1	11.9	13.0	16.4	17.9	20.3
4921525O09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4921530D09Rik	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4921530L18Rik	0.5	0.5	0.2	0.9	0.6	0.7	0.8	0.7	0.8	0.5	0.7	0.5
4921531C22Rik	1.5	1.5	1.3	1.5	1.3	1.3	1.1	1.8	1.1	1.2	1.7	1.7
4921536K21Rik	0.4	0.3	0.3	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0.4	0.1
4921539E11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4922501C03Rik	5.0	5.2	6.5	6.4	5.3	5.2	5.1	5.1	3.9	3.5	5.8	5.3
4922501L14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4930402H24Rik	17.7	14.1	12.8	19.4	18.8	15.0	16.7	13.3	15.4	14.4	16.8	14.2
4930404H11Rik	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
4930404I05Rik	0.1	0.0	0.1	0.5	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.4
4930404N11Rik	0.8	1.5	1.6	1.1	1.9	0.8	1.4	0.9	1.3	1.2	0.9	1.3
4930405A21Rik	0.4	0.3	0.3	0.2	0.3	0.1	0.4	0.1	0.2	0.2	0.1	0.3
4930405P13Rik	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
4930412C18Rik	0.4	0.6	0.6	0.5	0.3	0.5	0.4	0.5	0.5	0.4	0.5	0.4
4930413G21Rik	1.5	1.5	1.5	1.0	1.5	1.2	1.6	1.9	2.1	2.5	1.1	1.6
4930414L22Rik	3.0	3.1	2.4	3.3	3.2	3.1	3.3	3.0	3.5	4.1	2.5	2.7
4930414N06Rik	0.7	0.7	0.9	0.0	1.3	0.7	0.6	0.7	0.8	0.6	0.2	0.4
4930415O20Rik	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.2	0.0	0.0
4930422G04Rik	1.0	1.4	2.1	0.7	1.8	0.9	1.9	1.0	1.4	0.8	1.7	1.3
4930426L09Rik	0.2	0.4	0.3	0.4	0.3	0.4	0.6	0.2	0.8	0.6	0.5	0.7
4930427A07Rik	0.8	1.5	1.7	0.4	1.9	0.3	2.5	1.0	1.7	1.0	1.4	0.7
4930429B21Rik	1.2	0.7	0.8	1.5	1.4	1.5	1.7	1.2	1.4	1.8	2.3	1.5
4930429F24Rik	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.1	0.1
4930430F08Rik	4.2	4.3	5.0	5.0	3.8	5.7	3.6	3.1	3.2	4.1	4.4	4.5
4930431F12Rik	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
4930431P03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930432K21Rik	0.3	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.1	0.1	0.3	0.2
4930441O14Rik	0.2	0.2	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
4930443O20Rik	0.2	0.3	0.2	0.0	0.1	0.3	0.4	0.5	0.3	0.3	0.1	0.3
4930444A02Rik	7.4	6.5	5.0	8.2	6.0	8.1	5.9	6.4	5.6	6.2	6.8	6.4
4930444G20Rik	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930447C04Rik	0.1	0.1	0.1	0.3	0.0	0.3	0.1	0.0	0.0	0.0	0.2	0.2
4930447K03Rik	0.1	0.1	0.3	0.0	0.2	0.2	0.2	0.2	0.1	0.0	0.1	0.0
4930447N08Rik	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
4930451G09Rik	0.3	0.2	0.2	0.1	0.2	0.4	0.2	0.2	0.1	0.2	0.1	0.3
4930452B06Rik	0.7	0.5	0.7	0.3	0.7	1.0	0.7	0.3	0.4	0.3	0.5	0.4
4930453N24Rik	26.2	22.1	24.8	26.0	21.5	22.9	22.8	22.0	20.4	23.0	27.2	24.6
4930455C13Rik	6.5	5.7	4.2	7.0	4.7	8.7	7.2	5.1	4.7	5.2	7.0	5.3
4930455F23Rik	10.4	6.9	6.2	10.2	5.7	10.9	6.1	6.2	4.9	5.8	7.4	6.9
4930465K10Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.2	0.1	0.1
4930467E23Rik	0.2	0.2	0.2	0.0	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.2
4930470H14Rik	6.9	9.7	8.5	7.3	7.9	7.1	9.1	6.1	5.1	7.5	6.6	7.5
4930471I20Rik	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.3	0.1	0.0	0.0	0.0

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4930471M09Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
4930473A02Rik	0.4	0.3	0.4	0.4	0.3	0.2	1.0	0.5	0.4	0.4	0.5	0.7
4930478L05Rik	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0
4930479D17Rik	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1
4930480G23Rik	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1
4930481A15Rik	2.0	1.4	1.2	1.7	2.0	1.7	2.2	2.8	2.0	1.2	1.6	1.6
4930483J18Rik	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4930483K19Rik	0.5	0.5	0.5	0.2	0.4	0.2	0.5	0.4	0.4	0.1	0.4	0.1
4930486L24Rik	4.6	0.8	0.2	4.4	1.0	3.9	0.5	0.3	0.1	0.3	0.5	0.5
4930487H11Rik	0.0	0.1	0.0	0.5	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1
4930488L21Rik	0.1	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.1	0.0	0.1
4930500J02Rik	0.8	0.3	0.3	0.0	0.3	0.1	0.2	0.2	0.1	0.3	0.3	0.2
4930502A04Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930502E09Rik	0.1	0.1	0.1	0.0	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.1
4930502E18Rik	0.2	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
4930503B20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2
4930503L19Rik	5.8	6.9	7.1	6.9	9.0	5.6	7.0	6.3	7.5	5.6	6.7	6.9
4930505A04Rik	0.9	0.5	0.7	0.6	0.7	0.9	0.9	0.6	0.2	0.4	0.5	0.3
4930506C21Rik	0.8	0.7	0.7	1.1	0.5	1.0	0.2	0.1	0.3	0.7	0.2	0.4
4930506M07Rik	2.4	1.0	1.4	4.6	5.0	1.9	1.3	0.7	0.4	1.2	1.1	1.2
4930507D05Rik	0.7	0.3	0.4	0.3	0.6	0.4	0.6	0.5	0.3	0.7	0.6	0.3
4930509E16Rik	0.7	0.7	0.3	0.8	0.5	0.6	0.2	0.1	0.1	0.1	0.4	0.1
4930511M06Rik	0.6	0.7	0.6	0.4	0.6	0.5	0.6	0.4	0.4	0.3	0.5	0.4
4930511M11Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
4930512B01Rik	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.3	0.4	0.2	0.2	0.3
4930513N10Rik	0.4	0.6	0.5	0.4	0.6	0.5	0.4	0.4	0.4	0.6	0.3	0.3
4930515G01Rik	0.7	0.9	0.9	0.4	0.6	0.9	0.9	0.8	0.7	1.1	0.9	1.3
4930519F09Rik	0.3	0.4	0.6	0.4	0.3	0.6	0.5	0.5	0.3	0.3	0.2	0.5
4930519G04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
4930520O04Rik	0.2	0.2	0.2	0.8	0.2	0.3	0.2	0.3	0.1	0.4	0.1	0.2
4930521E06Rik	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
4930523C07Rik	2.8	2.8	3.3	3.2	2.4	2.8	2.5	3.5	3.2	1.7	2.2	2.6
4930524L23Rik	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.0
4930525G20Rik	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.1	0.2
4930526I15Rik	2.4	2.3	2.1	3.5	2.4	2.8	2.6	2.7	2.2	2.7	2.2	1.6
4930528A17Rik	0.1	0.3	0.4	0.1	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.3
4930528D03Rik	0.0	0.3	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.2	0.0
4930529C04Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1
4930533B01Rik	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0
4930538K18Rik	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4930539E08Rik	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4930539J05Rik	1.9	1.4	1.5	3.2	2.0	1.2	2.3	2.0	3.0	2.5	2.8	2.7
4930549G23Rik	0.6	0.7	0.3	0.5	0.7	0.4	0.7	0.2	0.6	0.4	0.1	0.2
4930550C14Rik	1.9	2.1	1.4	1.9	1.6	2.2	0.9	0.8	0.7	1.4	0.9	1.2
4930552P12Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4930555G01Rik	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
4930556M19Rik	2.3	1.7	1.6	2.4	2.0	2.2	1.4	1.0	1.6	1.5	1.4	2.1
4930558J18Rik	0.1	0.2	0.3	0.1	0.4	0.1	0.3	0.1	0.2	0.1	0.4	0.2
4930562C15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930562F07Rik	1.7	2.0	2.7	2.2	1.5	1.0	0.8	1.3	1.6	0.8	1.9	2.2
4930563D23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930563E18Rik	0.0	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
4930563E22Rik	0.2	0.3	0.3	0.3	0.3	0.5	0.1	0.3	0.3	0.2	0.1	0.2
4930564C03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930565N06Rik	0.7	0.9	1.0	0.5	0.7	0.8	0.5	0.7	0.7	0.6	0.5	0.9
4930568K20Rik	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
4930570G19Rik	0.3	0.2	0.2	0.0	0.1	0.0	0.1	0.3	0.1	0.0	0.1	0.0

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4930577N17Rik	0.6	0.7	0.7	1.2	1.0	0.8	0.9	1.1	0.8	1.0	0.8	0.8
4930578M01Rik	0.3	0.6	0.2	0.4	0.3	0.8	0.6	0.3	0.3	0.1	0.3	0.3
4930579G18Rik	0.4	0.3	0.2	0.3	0.5	0.7	0.3	0.5	0.2	0.6	0.4	0.3
4930579G24Rik	1.7	2.2	3.3	1.3	3.7	2.1	4.3	2.4	3.8	2.1	2.8	2.0
4930579K19Rik	0.5	0.2	0.4	0.4	0.6	0.5	0.4	0.4	0.6	0.3	0.4	0.4
4930581F22Rik	0.8	0.9	0.8	0.6	0.8	0.9	0.5	1.0	0.7	0.7	0.8	0.6
4930590J08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930592A05Rik	5.2	5.9	3.7	3.2	3.8	5.5	3.2	1.9	3.2	4.3	4.1	2.9
4930592I03Rik	0.1	0.1	0.2	0.1	0.3	0.2	0.2	0.2	0.1	0.3	0.1	0.5
4930594C11Rik	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0
4930599N23Rik	0.6	0.2	0.3	0.1	0.4	0.3	0.3	0.7	0.2	0.5	0.3	0.3
4931402G19Rik	0.1	0.2	0.1	0.0	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1
4931403E22Rik	0.3	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.1
4931403G20Rik	0.2	0.4	0.3	0.2	0.3	0.2	0.4	0.1	0.4	0.3	0.3	0.2
4931406C07Rik	4.0	4.5	4.0	3.3	4.3	4.6	3.8	4.2	3.9	4.4	4.3	5.2
4931406H21Rik	0.2	0.2	0.2	0.2	0.3	0.1	0.3	0.3	0.2	0.2	0.2	0.2
4931406P16Rik	15.6	20.1	20.3	14.6	17.8	13.7	21.7	30.5	29.8	17.9	21.8	22.9
4931408D14Rik	0.3	0.2	0.3	0.1	0.3	0.3	0.1	0.3	0.2	0.2	0.3	0.2
4931414P19Rik	0.8	1.3	1.5	0.9	1.1	1.2	0.8	1.3	1.3	1.5	1.2	1.1
4931417G12Rik	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.0	0.1	0.1
4931428F04Rik	1.4	1.3	1.6	2.0	1.6	1.8	1.7	1.7	1.7	1.1	1.9	1.9
4931430N09Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931431C16Rik	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.1
4931440F15Rik	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4931440L10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
4931440P22Rik	0.2	0.2	0.1	0.2	0.1	0.4	0.1	0.2	0.2	0.2	0.1	0.1
4932413F04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
4932415G12Rik	2.3	2.5	2.5	2.3	2.5	2.9	1.8	1.9	2.3	1.7	2.0	2.0
4932416H05Rik	0.7	0.7	0.8	0.6	0.8	0.7	0.6	1.1	0.6	0.7	0.7	0.9
4932418E24Rik	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4932435O22Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932438A13Rik	6.7	7.3	6.4	7.1	6.3	6.6	5.5	5.8	5.1	5.0	5.6	5.4
4932438H23Rik	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
4932441J04Rik	0.0	0.1	0.2	0.0	0.0	0.2	0.0	0.2	0.1	0.0	0.0	0.2
4933400A11Rik	0.4	0.7	0.6	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.0	0.1
4933400F21Rik	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
4933402D24Rik	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933402N22Rik	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.0
4933403G14Rik	1.6	1.4	1.8	1.8	1.3	1.4	1.0	1.7	1.4	1.5	1.6	1.8
4933404K08Rik	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4933404O12Rik	0.3	0.5	0.7	0.4	0.5	0.5	0.6	0.5	0.8	0.7	0.4	0.5
4933405D12Rik	0.1	0.5	0.5	0.3	0.2	0.1	0.0	0.2	0.3	0.1	0.1	0.3
4933405L10Rik	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
4933406C10Rik	0.1	0.2	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.2
4933406I18Rik	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1
4933406M09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4933407E24Rik	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933407K13Rik	0.6	0.7	0.7	0.8	0.7	0.4	0.6	0.8	0.7	0.6	0.6	0.6
4933408B17Rik	0.1	0.1	0.2	0.0	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1
4933408J17Rik	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.6	0.4	0.2	0.4
4933408N05Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4933409K07Rik	4.8	4.8	4.0	4.6	4.5	4.1	3.9	4.1	3.4	3.1	3.9	3.6
4933411E08Rik	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.1
4933411G11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
4933411K16Rik	0.2	0.1	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.2	0.2
4933411K20Rik	5.3	6.3	7.2	5.9	4.8	5.9	5.1	5.7	4.9	5.6	5.8	5.9
4933412E12Rik	8.2	6.9	8.2	9.1	6.8	7.5	6.7	6.0	5.9	4.6	5.7	5.4

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4933412O06Rik	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
4933413J09Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4933416M07Rik	0.3	0.3	0.3	0.4	0.5	0.4	0.1	0.2	0.2	0.7	0.2	0.4
4933417D19Rik	0.3	0.1	0.1	0.5	0.3	0.6	0.3	0.1	0.2	0.2	0.2	0.5
4933417E11Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4933417G07Rik	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0
4933417O13Rik	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0
4933421O10Rik	1.3	1.6	1.5	2.0	1.5	1.5	1.5	1.7	1.1	1.3	1.5	1.6
4933422A05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933424G05Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933424G06Rik	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.0
4933425H06Rik	0.3	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.2
4933426D04Rik	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
4933426M11Rik	42.3	56.4	63.3	39.3	57.7	37.3	68.7	55.9	66.8	47.0	47.3	58.1
4933427D06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933427D14Rik	2.4	2.2	2.3	2.9	2.1	2.5	2.0	2.2	2.1	2.3	2.6	2.2
4933427E11Rik	0.3	0.1	0.2	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1
4933427G17Rik	0.6	0.7	0.6	0.6	0.6	0.9	0.5	0.1	0.2	0.4	0.5	0.5
4933430I17Rik	0.1	0.2	0.3	0.1	0.2	0.1	0.1	0.2	0.1	0.0	0.2	0.2
4933431E20Rik	2.6	3.1	3.2	2.4	2.3	3.0	2.2	3.0	2.0	1.9	2.3	1.7
4933431G14Rik	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.2
4933432I09Rik	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4933433G15Rik	0.2	0.2	0.3	0.1	0.5	0.2	0.3	0.3	0.4	0.2	0.4	0.2
4933433G19Rik	0.2	0.2	0.1	0.2	0.3	0.0	0.1	0.3	0.1	0.4	0.0	0.1
4933433H22Rik	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0
4933434E20Rik	36.5	30.2	23.9	35.4	28.9	37.2	27.8	23.1	25.2	31.0	25.6	28.8
4933436C20Rik	0.5	0.5	0.3	0.8	0.6	0.2	0.6	0.4	0.5	0.4	0.4	0.7
4933439C10Rik	2.1	2.0	2.8	1.7	2.2	1.9	2.1	1.9	3.2	1.9	1.7	2.0
4933439K11Rik	0.1	0.2	0.1	0.2	0.4	0.0	0.2	0.1	0.0	0.2	0.4	0.0
4933440M02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5031410I06Rik	0.3	0.4	0.4	0.2	0.2	0.3	0.1	0.1	0.1	0.4	0.2	0.2
5031414D18Rik	0.1	0.1	0.0	0.4	0.9	0.2	0.2	0.1	0.1	0.3	0.2	0.1
5031425E22Rik	2.6	3.5	2.0	1.9	3.3	2.6	3.6	2.9	3.0	3.5	2.9	3.0
5031426D15Rik	0.2	0.5	0.4	0.1	0.2	0.3	0.4	0.2	0.3	0.2	0.2	0.1
5031434C07Rik	0.1	0.2	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1
5031434O11Rik	0.2	0.1	0.1	0.1	0.0	0.7	0.0	0.2	0.1	0.1	0.3	0.2
5031439G07Rik	10.2	8.0	7.8	11.1	13.8	8.6	9.6	7.6	8.2	8.4	8.5	7.8
5033406O09Rik	2.8	2.7	1.7	5.0	3.2	5.6	2.3	1.1	2.1	1.6	1.9	1.6
5033411D12Rik	1.7	1.3	1.0	0.7	0.8	1.4	0.6	0.7	0.7	1.3	0.9	0.9
5330411J11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
5330417C22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5330426P16Rik	4.4	4.5	4.7	6.3	5.2	5.3	6.3	3.9	4.7	4.1	4.1	4.4
5430402O13Rik	0.3	0.4	0.5	0.6	0.2	0.5	0.4	0.1	0.3	0.5	0.3	0.2
5430403N17Rik	0.2	0.1	0.0	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.0
5430405H02Rik	1.6	2.3	1.6	3.2	1.7	2.0	1.8	1.4	1.8	1.9	1.9	1.6
5430416N02Rik	4.8	4.4	4.6	4.9	4.4	4.8	4.8	4.1	4.4	4.3	4.0	3.1
5430416O09Rik	1.1	0.8	0.6	1.3	0.8	1.7	0.4	0.3	0.3	0.4	0.4	0.3
5430417L22Rik	16.6	26.0	28.0	15.6	18.2	19.4	20.1	26.1	26.5	16.8	18.8	23.0
5430419D17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5430421F17Rik	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0
5430427O19Rik	0.2	0.3	0.2	0.8	0.9	0.3	0.1	0.2	0.1	0.1	0.2	0.2
5430435G22Rik	14.6	10.4	10.1	19.3	17.6	15.0	12.1	9.9	8.1	10.0	12.1	11.0
5430437J10Rik	0.0	0.1	0.0	0.2	1.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0
5530601H04Rik	0.7	0.6	0.7	0.7	0.5	0.8	0.7	0.6	0.7	0.6	0.5	0.6
5730405O15Rik	0.7	0.9	0.8	0.5	0.6	1.3	0.8	0.7	0.5	0.7	0.6	0.4
5730408K05Rik	12.0	15.9	16.5	6.5	14.3	10.6	8.7	15.1	23.1	14.9	9.7	14.0
5730409E04Rik	20.6	16.5	15.1	24.8	17.3	23.6	18.2	14.5	13.9	14.9	16.0	15.1

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5730416F02Rik	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
5730422E09Rik	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1
5730455P16Rik	7.3	7.3	8.2	6.8	5.4	8.8	5.8	7.0	6.0	6.5	7.0	7.5
5730480H06Rik	0.2	0.2	0.2	0.1	0.0	0.3	0.2	0.1	0.1	0.2	0.2	0.2
5730507C01Rik	2.6	2.9	3.0	2.7	2.9	2.6	3.1	3.1	2.9	3.6	3.5	3.0
5730508B09Rik	1.2	1.0	1.5	0.7	1.4	0.7	0.8	0.6	1.0	0.7	1.2	1.5
5730559C18Rik	0.2	0.1	0.1	0.1	0.5	0.2	0.5	0.4	0.5	0.4	0.3	0.1
5730577I03Rik	0.7	1.1	0.8	0.5	0.5	0.8	0.5	0.6	0.5	0.9	0.9	0.6
5830403L16Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
5830415F09Rik	1.6	1.1	1.6	1.7	1.2	1.4	1.5	1.4	1.7	1.5	1.9	1.3
5830416P10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
5830417I10Rik	3.9	4.7	4.7	4.0	4.2	4.4	4.1	4.9	4.2	4.3	4.3	4.3
5830418K08Rik	2.4	3.3	3.4	2.4	2.7	2.4	3.5	2.9	2.7	2.5	2.9	2.9
5830418P13Rik	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.1	0.0
5830432E09Rik	0.3	0.1	0.2	0.9	0.7	0.4	0.5	0.2	0.2	0.3	0.1	0.1
5830454E08Rik	0.4	0.2	0.3	0.8	0.6	0.6	0.3	0.4	0.3	0.2	0.3	0.2
5830473C10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5930403L14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6030407O03Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6030408B16Rik	0.2	0.3	0.7	0.1	0.4	0.1	0.3	0.6	0.3	0.1	0.1	0.2
6030419C18Rik	13.4	9.8	9.0	16.4	11.3	16.4	13.2	8.0	10.7	14.3	11.6	11.0
6030458C11Rik	3.7	3.4	4.5	4.3	4.3	3.8	4.2	4.5	3.9	3.8	4.3	3.6
6030466F02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
6030468B19Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
6030498E09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6230400D17Rik	0.2	0.3	0.3	0.3	0.4	0.3	0.6	0.5	0.6	0.7	0.4	0.6
6330403A02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
6330403K07Rik	0.2	0.2	0.2	0.1	0.1	0.3	0.0	0.0	0.1	0.2	0.0	0.2
6330403M23Rik	1.6	2.0	2.3	2.4	1.3	3.1	1.3	1.4	1.7	2.2	2.5	1.8
6330407A03Rik	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
6330408A02Rik	3.2	3.0	2.9	4.0	2.4	4.4	2.7	2.5	1.8	2.3	2.2	2.8
6330409D20Rik	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
6330416G13Rik	1.9	2.0	1.8	2.1	1.9	1.9	2.2	2.1	2.3	1.4	2.0	1.7
6330418K02Rik	1.3	0.7	1.5	1.2	1.4	1.2	1.4	1.1	1.3	1.3	0.7	1.4
6330549D23Rik	0.2	0.2	0.4	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.1	0.3
6430411K18Rik	1.5	0.8	0.5	0.7	0.9	1.3	1.2	1.5	1.7	1.9	1.3	1.7
6430531B16Rik	0.3	0.7	0.2	0.1	0.3	0.5	0.1	0.3	0.2	0.1	0.1	0.1
6430548M08Rik	1.6	1.7	1.5	2.3	2.7	1.5	1.4	1.6	1.5	1.9	1.7	1.7
6430550D23Rik	0.2	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.1
6430562O15Rik	0.8	0.9	0.8	1.0	0.6	1.0	0.4	0.9	1.0	0.8	0.7	0.7
6430571L13Rik	0.2	0.2	0.1	0.1	0.1	0.4	0.0	0.1	0.0	0.0	0.1	0.1
6430573F11Rik	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
6430584L05Rik	0.7	0.7	0.5	0.4	0.5	0.3	0.4	0.5	0.2	0.4	0.5	0.4
6430706D22Rik	7.3	9.9	12.1	5.9	12.7	5.5	14.0	9.7	14.5	7.2	9.2	7.9
6530402F18Rik	1.4	1.1	0.9	1.5	1.2	1.3	1.4	1.2	1.3	1.2	1.0	0.9
6720401G13Rik	2.4	2.4	2.0	2.2	2.0	3.0	2.3	2.3	2.7	2.1	2.0	2.1
6720456H20Rik	7.3	7.6	7.5	6.5	7.0	6.5	7.3	8.7	7.8	7.8	7.6	8.0
6720468P15Rik	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
6720483E21Rik	0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.1
6720489N17Rik	0.9	0.9	1.4	0.7	1.2	1.4	1.0	1.1	1.0	0.9	1.2	1.0
6820408C15Rik	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1
6820431F20Rik	24.8	29.8	35.3	33.8	29.1	33.7	32.6	33.1	32.0	26.2	33.8	29.9
7420700N18Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7530420F21Rik	0.1	0.2	0.3	0.2	0.0	0.0	0.1	0.3	0.2	0.0	0.3	0.2
8030423F21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8030442B05Rik	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.4	0.3	0.2
8030462N17Rik	5.9	6.3	6.1	6.2	5.1	6.0	6.4	5.2	5.8	5.1	6.2	6.2

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8430403D17Rik	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
8430408G22Rik	0.1	0.0	0.1	0.2	0.2	0.0	0.2	0.2	0.2	0.3	0.0	0.0
8430410A17Rik	10.0	8.1	5.7	7.6	6.3	8.0	7.1	6.6	7.4	6.7	6.6	6.9
8430419L09Rik	2.3	3.0	3.0	2.1	3.0	2.6	2.4	3.0	2.6	2.3	2.5	2.0
8430423G03Rik	1.0	0.8	0.1	1.0	0.6	1.0	0.6	0.4	0.4	0.5	0.9	0.6
8430427H17Rik	0.5	0.8	0.7	0.5	0.6	0.4	0.5	0.5	0.4	0.5	0.5	0.5
8430429K09Rik	1.8	1.4	1.7	2.7	1.9	1.8	1.5	2.5	1.7	2.2	2.2	1.8
8430431K14Rik	0.1	0.5	0.3	0.1	0.2	0.1	0.4	0.1	0.2	0.2	0.1	0.1
8430436N08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
9030025P20Rik	2.3	2.3	2.2	2.1	2.0	2.6	1.9	2.2	2.1	1.9	1.9	2.3
9030612E09Rik	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0
9030617O03Rik	15.9	16.2	15.3	17.7	16.6	19.1	14.7	10.9	13.3	18.7	17.0	14.7
9030624G23Rik	3.1	3.1	2.1	2.4	2.5	3.5	2.1	2.6	2.4	2.4	2.3	2.5
9030624J02Rik	32.6	28.2	24.9	32.1	27.8	34.7	24.9	27.7	23.5	26.3	26.1	25.2
9130008F23Rik	2.8	2.2	2.3	1.7	2.0	2.4	2.3	1.3	2.3	2.3	1.9	2.3
9130011E15Rik	4.3	3.4	3.0	4.8	3.3	3.6	3.8	3.9	3.7	3.4	4.0	3.8
9130015A21Rik	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.2	0.1	0.1
9130017N09Rik	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.1	0.1
9130019O22Rik	1.3	1.3	1.2	1.3	1.5	1.1	1.5	1.5	1.5	1.2	1.4	1.5
9130019P16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9130023H24Rik	2.7	2.6	2.7	2.5	2.7	2.9	2.7	3.6	3.1	2.5	2.7	2.8
9130024F11Rik	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0
9130206I24Rik	0.4	0.4	0.5	0.3	0.5	0.4	0.7	0.7	0.6	0.7	0.5	0.5
9130221F21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9130221H12Rik	5.7	6.1	7.5	6.7	6.3	6.1	6.8	6.3	5.3	6.3	6.4	7.1
9130401M01Rik	26.3	21.2	20.1	24.0	19.7	23.4	20.8	21.6	18.3	20.1	19.4	22.4
9130409I23Rik	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
9230110C19Rik	8.4	7.4	5.4	5.4	6.4	6.6	3.4	5.3	4.2	6.5	5.9	6.2
9230112J17Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
9230114K14Rik	7.7	6.6	6.6	7.4	6.1	6.2	7.4	5.5	6.3	7.3	7.1	8.2
9230115E21Rik	0.1	0.1	0.2	0.0	0.1	0.0	0.3	0.1	0.2	0.1	0.1	0.1
9230116N13Rik	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.3
9330020H09Rik	0.5	0.6	0.5	0.6	0.5	0.5	0.7	0.3	0.4	0.5	0.5	0.4
9330111N05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9330117O12Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9330133O14Rik	0.6	0.5	0.4	0.4	0.4	0.7	0.5	0.6	0.4	0.5	0.6	0.5
9330151L19Rik	1.2	1.2	1.2	0.8	1.2	1.2	1.2	1.0	1.0	1.2	1.1	1.3
9330159F19Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9330159M07Rik	1.3	1.7	1.3	0.9	1.2	1.6	1.1	1.6	1.4	1.2	1.3	1.3
9330175E14Rik	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
9330175M20Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9330179D12Rik	0.4	0.4	0.2	0.2	0.2	0.5	0.3	0.4	0.2	0.4	0.3	0.3
9330182L06Rik	0.2	0.1	0.0	0.2	0.1	0.2	0.1	0.1	0.1	2.3	1.0	0.3
9430008C03Rik	1.8	1.9	1.7	1.8	1.6	2.0	1.7	1.3	1.7	1.8	2.3	1.5
9430015G10Rik	2.1	2.3	2.7	1.8	2.4	1.7	3.1	2.1	2.6	2.2	2.4	1.9
9430016H08Rik	7.7	7.2	5.9	7.1	6.3	5.9	6.5	6.8	6.4	7.1	7.4	7.8
9430018G01Rik	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.2	0.0
9430020K01Rik	29.5	23.4	18.2	40.4	19.7	37.4	20.2	15.9	14.9	14.4	19.2	17.5
9430023L20Rik	15.5	15.3	11.9	15.5	14.9	15.2	13.9	13.8	13.4	15.9	12.5	10.8
9430037G07Rik	1.9	2.1	1.6	1.8	1.7	2.0	1.4	1.8	1.9	1.5	1.8	1.8
9430038I01Rik	1.5	1.1	1.4	1.7	1.6	1.1	1.7	2.5	1.7	1.6	1.8	2.0
9430041J12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9430060I03Rik	0.1	0.1	0.2	0.1	0.3	0.3	0.1	0.3	0.3	0.1	0.3	0.3
9430076C15Rik	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
9430083A17Rik	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9430091E24Rik	0.2	0.4	0.3	0.0	0.3	0.2	0.2	0.5	0.3	0.3	0.3	0.3
9530026F06Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0

Online Table 1

9530026P05Rik	0.4	0.7	0.3	0.3	0.3	0.1	0.3	0.2	0.3	0.9	0.4	0.6
9530027J09Rik	2.0	1.4	1.6	1.5	1.6	1.6	1.4	1.6	1.0	1.0	1.8	1.5
9530051G07Rik	0.3	0.2	0.2	0.1	0.2	0.3	0.0	0.2	0.1	0.2	0.1	0.2
9530052E02Rik	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.2	0.0	0.1	0.0	0.0
9530053A07Rik	0.3	0.3	0.3	0.4	0.4	0.4	0.2	0.2	0.1	0.2	0.2	0.2
9530059O14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9530068E07Rik	126.9	111.6	108.9	142.7	130.6	136.0	116.0	104.6	110.4	120.1	117.3	113.8
9530077C05Rik	0.7	0.3	0.5	0.3	0.3	0.6	0.4	0.3	0.3	0.4	0.7	0.4
9530082P21Rik	4.2	4.8	4.4	5.4	4.3	5.1	4.4	4.5	4.4	4.1	5.1	3.8
9530091C08Rik	0.4	0.7	0.7	0.4	0.5	0.5	0.9	0.4	0.3	0.4	0.4	0.3
9630028B13Rik	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0
9630028H03Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
9630033F20Rik	3.4	3.5	3.4	4.1	3.1	3.7	2.8	3.1	2.7	2.8	2.7	3.1
9830001H06Rik	2.4	2.7	2.6	2.4	2.9	2.4	3.2	2.3	2.6	2.4	2.2	2.1
9830132P13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9830147E19Rik	1.4	1.6	2.0	1.2	1.1	1.5	1.3	1.3	1.3	1.7	1.5	1.8
9930012K11Rik	4.0	7.4	5.7	2.9	3.5	4.0	5.3	8.8	7.0	10.7	7.5	7.1
9930013L23Rik	583.9	669.6	851.5	418.3	535.7	464.0	689.2	878.4	834.1	461.6	629.6	690.1
9930014A18Rik	1.1	0.7	0.5	1.1	0.8	1.3	0.8	0.5	0.4	1.0	0.8	0.9
9930021J03Rik	3.5	4.7	4.5	3.8	3.7	3.6	3.7	3.6	3.6	3.8	4.2	4.0
9930104L06Rik	3.4	2.5	2.6	3.6	2.9	3.1	3.2	2.6	2.6	3.0	3.1	2.6
9930111J21Rik1	63.6	45.5	28.7	64.5	39.0	55.5	42.9	18.2	25.1	26.2	39.1	34.1
9930111J21Rik2	34.6	26.2	14.8	32.1	22.3	30.7	21.3	9.1	14.0	15.0	20.8	16.9
A030009H04Rik	0.5	0.5	0.6	0.8	0.4	0.9	0.3	0.5	0.3	0.8	0.4	0.7
A130010J15Rik	1.2	1.5	1.5	1.0	1.0	1.0	0.9	1.6	1.6	1.5	1.1	1.2
A130049A11Rik	0.9	1.1	1.7	1.1	1.0	1.4	1.3	1.1	1.2	1.3	1.8	1.1
A130077B15Rik	5.7	9.5	7.2	4.7	6.7	5.5	7.1	5.3	5.3	7.3	5.2	5.3
A230020J21Rik	0.6	0.6	0.6	1.0	0.9	0.3	0.9	0.6	0.8	1.0	0.6	0.5
A230028O05Rik	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A230046K03Rik	21.5	21.3	21.7	23.4	22.0	24.2	19.0	18.7	20.4	19.7	23.8	23.0
A230050P20Rik	0.9	1.2	1.9	1.2	1.2	1.6	1.2	1.6	1.2	1.2	0.9	1.1
A230056J06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A230056P14Rik	1.2	1.2	1.2	1.7	1.0	1.5	0.9	1.0	0.9	1.4	1.8	1.1
A230057D06Rik	0.2	0.2	0.2	0.1	0.1	0.3	0.0	0.2	0.1	0.3	0.1	0.1
A230065H16Rik	0.1	0.1	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.3	0.0	0.2
A230070E04Rik	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.0	0.0
A230072C01Rik	1.2	1.8	2.1	1.7	1.8	1.9	1.7	2.0	1.4	1.7	1.7	1.8
A230072E10Rik	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
A230073K19Rik	0.4	0.5	0.6	0.7	0.5	0.4	0.5	0.4	0.5	0.7	0.6	0.7
A230108P19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A2m	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
A330009N23Rik	0.6	0.5	0.5	0.5	0.3	0.5	0.8	0.6	0.5	0.3	0.6	0.2
A330021E22Rik	0.8	1.0	0.8	0.5	0.8	1.1	0.8	0.8	0.9	1.3	1.1	1.0
A330023F24Rik	1.0	0.9	0.8	1.1	1.1	1.0	0.7	0.7	0.6	0.6	0.7	0.8
A330032B11Rik	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.0
A330035P11Rik	1.1	1.2	1.3	1.9	0.9	1.1	0.8	1.4	0.9	1.1	1.5	1.1
A330040F15Rik	0.1	0.3	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.0
A330041J22Rik	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.2	0.1	0.2	0.0
A330048O09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
A330049N07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A330050B17Rik	0.2	0.2	0.1	0.3	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.2
A330069E16Rik	0.4	0.3	0.6	0.1	0.6	0.5	0.8	0.7	0.4	0.5	0.4	0.7
A330076H08Rik	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.2	0.1	0.3	0.3	0.1
A330102I10Rik	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.1
A3galt2	0.1	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
A430005L14Rik	8.9	9.0	7.8	9.4	9.8	8.2	10.5	9.9	9.1	9.8	11.0	8.8
A430033K04Rik	1.8	2.2	2.4	1.6	1.6	2.2	1.8	2.4	1.8	2.1	1.9	1.9

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A430035B10Rik	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
A430071A18Rik	0.0	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1
A430078G23Rik	1.3	1.2	0.9	1.0	1.3	1.4	1.3	1.0	1.0	1.4	1.0	1.2
A430088P11Rik	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
A430090L17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A430092G05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A430105I19Rik	19.5	15.8	12.6	21.6	17.5	17.8	26.2	17.6	23.2	27.2	30.7	24.0
A430107P09Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
A4galt	5.8	4.7	8.0	9.6	11.8	6.2	4.9	7.6	3.3	4.2	2.6	4.7
A4gnt	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
A530013C23Rik	0.7	0.7	0.6	0.5	0.8	0.9	0.5	0.6	0.6	0.7	0.6	0.5
A530016L24Rik	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
A530032D15Rik	0.4	0.6	0.6	0.6	0.6	0.4	0.3	0.3	0.3	0.4	0.3	0.4
A530046M15Rik	0.4	0.3	0.1	0.4	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
A530054K11Rik	2.7	2.7	2.9	2.9	3.0	3.0	2.3	2.8	2.3	2.8	2.9	3.2
A530064D06Rik	0.3	0.0	0.0	0.7	0.9	0.0	0.0	0.1	0.0	0.0	0.1	0.1
A530072M11Rik	0.9	0.9	0.7	0.6	0.4	0.8	0.9	0.4	0.7	0.6	0.8	0.6
A530088E08Rik	0.0	0.0	0.0	0.1	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.1
A630001G21Rik	0.7	0.7	0.3	1.5	2.2	0.6	0.7	0.4	0.4	0.6	0.7	0.5
A630007B06Rik	15.0	15.7	17.8	16.8	14.8	17.1	15.2	16.6	13.8	15.0	18.8	19.8
A630019I02Rik	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1
A630020A06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A630023A22Rik	0.2	0.2	0.1	0.1	0.3	0.1	0.3	0.2	0.1	0.4	0.1	0.1
A630033H20Rik	0.1	0.0	0.0	0.5	0.8	0.0	0.4	0.1	0.2	0.1	0.1	0.1
A630066F11Rik	0.8	1.7	1.0	1.2	0.9	1.2	0.9	1.5	1.1	0.7	1.2	1.2
A630072M18Rik	0.8	0.8	0.8	0.6	0.9	0.6	0.7	1.0	0.9	1.0	0.5	0.8
A630075F10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
A630077J23Rik	0.8	0.4	0.6	1.2	0.7	1.2	0.3	0.2	0.0	0.4	0.2	0.3
A630089N07Rik	3.0	3.6	4.5	2.7	3.0	3.3	4.3	3.1	2.1	3.6	2.7	3.4
A730008H23Rik	3.9	6.1	8.5	3.5	6.0	3.1	7.2	4.7	5.2	3.8	4.9	4.0
A730017L22Rik	0.7	1.1	0.8	1.3	1.1	0.6	0.8	0.4	0.7	0.8	0.6	0.7
A730020M07Rik	0.9	1.0	0.9	1.9	1.2	1.2	0.7	0.4	0.5	0.7	1.7	0.9
A730056A06Rik	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.0	0.1	0.0	0.0
A730085A09Rik	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1
A730090H04Rik	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.1
A730090N16Rik	0.3	0.6	0.2	0.4	0.2	0.5	0.2	0.3	0.2	0.3	0.2	0.2
A730098P11Rik	1.4	1.7	1.9	2.3	2.1	1.7	1.9	2.1	1.9	2.2	2.0	2.2
A830009L08Rik	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
A830010M20Rik	1.5	1.5	1.7	1.3	1.3	1.8	1.5	1.3	1.2	1.3	1.7	1.5
A830018L16Rik	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A830052D11Rik	0.3	0.4	0.4	0.2	0.2	0.2	0.2	0.5	0.2	0.3	0.3	0.0
A830080D01Rik	2.2	3.2	3.8	2.9	2.8	3.6	3.1	3.0	3.1	4.0	3.8	3.7
A830082K12Rik	0.1	0.1	0.4	0.3	0.2	0.5	0.2	0.6	0.4	0.4	0.6	0.4
A830082N09Rik	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2
A930001C03Rik	0.7	0.7	0.5	0.7	0.6	0.4	0.4	0.5	0.2	0.3	0.5	0.2
A930003A15Rik	0.1	0.2	0.2	0.2	0.3	0.0	0.3	0.1	0.3	0.3	0.6	0.3
A930003O13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A930004D18Rik	1.9	1.9	1.7	1.4	1.6	2.4	1.9	2.6	1.9	1.7	2.3	1.9
A930005H10Rik	2.7	2.2	2.8	3.4	1.7	2.3	1.8	2.7	1.0	1.2	2.3	2.0
A930006K02Rik	0.1	0.1	0.5	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0
A930007I19Rik	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0
A930011G23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A930012L18Rik	1.2	1.0	0.6	0.6	0.8	1.2	0.7	0.7	0.5	0.7	0.5	0.4
A930013F10Rik	0.5	0.6	0.7	0.4	0.3	0.5	0.4	0.5	0.5	0.4	0.2	0.4
A930015D03Rik	0.5	0.3	0.4	0.2	0.5	0.3	0.6	0.1	0.3	0.7	0.0	0.5
A930016O22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
A930017M01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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A930018P22Rik	0.0	0.2	0.0	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.3	0.2
A930019D19Rik	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
A930024E05Rik	0.5	0.4	0.7	0.5	0.3	0.4	0.2	0.1	0.3	0.2	0.4	0.6
A930041C12Rik	0.1	0.2	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
AA388235	0.7	0.6	0.6	0.7	0.4	0.7	0.5	0.7	0.3	0.6	0.6	0.7
AA414768	9.7	14.6	10.8	10.5	10.7	9.3	13.9	9.6	17.7	14.7	15.1	17.9
AA415398	1.2	1.1	1.1	1.5	0.8	1.2	1.2	1.1	0.7	1.0	1.1	1.0
AA465934	0.0	0.0	1.1	0.4	0.3	0.2	0.3	0.6	0.4	0.5	0.2	0.6
AA467197	2.4	0.3	0.9	6.7	14.0	1.6	2.3	1.0	0.8	1.1	0.7	1.3
AA474331	2.7	2.2	1.8	1.2	1.0	1.8	1.6	1.1	2.1	1.5	1.6	1.3
AA536875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AA543186	0.2	0.7	0.5	0.5	0.5	0.7	0.5	0.6	0.5	0.6	0.5	0.7
AA792892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
AA986860	0.9	0.6	0.8	0.8	0.4	0.7	0.6	0.6	0.3	0.5	0.7	0.6
AA987161	2.6	3.2	3.4	3.3	3.6	3.3	2.5	3.1	2.9	3.5	3.5	3.9
Aaas	18.3	18.9	19.2	18.7	16.2	19.5	19.7	14.7	15.0	18.8	17.7	17.0
Aacs	21.2	20.0	18.3	13.0	19.2	12.4	33.2	32.2	29.0	16.3	26.1	16.3
Aadac	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aadat	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aaed1	34.6	28.2	24.8	25.7	29.4	31.6	24.4	23.5	23.2	29.3	28.6	30.9
Aagab	16.6	13.8	12.5	18.1	13.9	16.2	12.5	11.9	12.0	14.1	14.9	14.1
Aak1	2.2	2.6	2.6	1.9	2.2	2.1	2.4	2.1	2.0	2.1	2.1	1.8
Aamdc	16.1	16.3	14.3	17.3	14.1	20.1	14.7	16.6	15.2	18.3	18.3	18.6
Aamp	67.9	69.2	66.6	69.8	62.3	65.1	71.3	70.6	73.0	72.6	67.6	73.8
Aanat	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1
Aar2	6.5	7.0	5.3	7.9	6.5	7.2	6.3	5.9	5.9	6.8	5.7	6.2
Aard	2.2	0.8	0.5	2.4	0.5	2.0	0.3	0.2	0.2	0.1	0.6	0.2
Aars	53.7	39.5	34.8	52.3	40.6	52.6	49.8	66.7	51.6	41.1	54.9	44.5
Aars2	2.7	3.0	2.9	2.5	3.0	3.5	3.2	3.1	3.2	2.9	2.9	2.7
Aarsd1	11.4	9.4	10.9	12.5	8.9	11.6	10.2	10.8	10.7	9.3	9.5	10.6
Aasdh	2.2	2.7	3.1	2.5	2.0	3.0	1.5	2.0	2.0	2.3	1.9	1.9
Aasdhppt	8.3	7.8	7.6	7.9	7.3	8.7	6.5	6.8	7.0	9.7	8.4	8.3
Aass	2.9	2.5	2.6	1.2	1.1	2.0	1.2	1.1	0.9	2.3	2.0	1.3
Aatf	16.1	15.3	14.2	17.4	12.3	14.1	16.4	14.0	12.5	16.9	18.0	16.9
Aatk	0.3	0.1	0.1	0.9	0.7	0.4	0.1	0.1	0.1	0.1	0.0	0.1
AB099516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
AB124611	0.3	0.1	0.2	2.7	6.0	0.2	0.4	0.1	0.0	0.4	0.1	0.5
Abat	14.2	14.4	16.7	11.8	12.3	12.3	11.5	12.2	10.9	25.2	17.6	15.5
Abca1	13.0	17.4	18.4	12.9	11.8	20.6	7.4	8.1	11.1	17.3	8.8	10.8
Abca12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abca13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abca17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1
Abca2	6.0	4.6	4.1	5.4	4.5	6.5	3.8	4.1	3.6	3.9	3.1	3.0
Abca3	6.1	5.3	5.1	6.0	5.4	6.1	3.7	3.7	4.1	4.8	4.1	3.8
Abca4	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1
Abca5	1.8	2.3	2.6	1.8	2.2	1.8	2.1	2.1	2.4	1.6	2.1	2.5
Abca6	1.2	1.7	2.3	0.7	0.9	0.6	0.8	1.2	1.0	1.5	1.7	1.1
Abca7	2.3	2.8	2.7	2.0	3.0	2.5	1.9	3.0	2.5	1.4	1.3	1.7
Abca8a	8.5	18.6	50.2	2.5	10.3	2.5	8.8	16.3	13.7	18.1	8.2	20.2
Abca8b	5.4	7.6	11.0	3.9	4.7	4.5	3.9	7.0	5.5	5.5	5.0	7.5
Abca9	1.9	3.4	6.9	1.0	1.9	0.8	1.9	4.9	3.4	3.2	2.5	3.6
Abcb10	6.0	6.1	5.1	5.2	6.2	6.4	8.0	6.6	8.0	5.5	7.1	5.5
Abcb11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abcb1a	1.8	0.7	0.6	1.0	1.0	0.6	0.9	0.6	0.6	0.5	0.6	0.4
Abcb1b	11.0	6.0	5.7	9.1	10.8	6.5	8.8	4.6	5.2	5.8	7.0	5.5
Abcb4	0.1	0.1	0.0	0.7	1.9	0.0	0.1	0.0	0.0	0.2	0.0	0.2
Abcb6	6.9	8.4	6.1	8.0	7.2	7.7	6.6	7.1	8.1	5.0	6.3	4.8

Online Table 1

Abcb7	3.6	3.5	3.6	4.3	4.4	3.2	2.7	3.4	3.2	3.8	4.7	4.2
Abcb8	4.8	3.8	3.3	4.2	3.9	4.4	3.9	4.7	4.8	4.9	4.2	3.9
Abcb9	0.4	0.5	0.3	0.5	0.4	0.6	0.3	0.2	0.4	0.5	0.6	0.4
Abcc1	20.0	17.2	14.8	29.8	31.3	29.0	18.3	18.6	14.2	18.9	17.2	13.9
Abcc10	0.5	0.8	0.5	0.6	0.5	0.6	0.6	0.6	0.7	0.6	0.5	0.3
Abcc12	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Abcc2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abcc3	1.8	1.6	1.3	4.5	7.2	2.1	2.1	1.3	1.3	1.1	1.0	1.0
Abcc4	5.2	4.8	4.7	6.8	7.2	8.3	4.4	5.7	3.2	3.7	4.0	3.2
Abcc5	16.8	15.9	16.4	12.1	14.4	14.2	15.1	19.7	17.7	17.3	15.4	14.1
Abcc6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abcc9	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0
Abcd1	3.2	3.9	3.8	5.1	4.5	4.2	4.5	4.9	4.5	3.8	4.2	3.1
Abcd2	0.2	0.3	0.3	0.1	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.3
Abcd3	24.2	26.6	28.0	23.2	23.3	24.3	25.1	29.2	26.9	26.8	30.0	30.6
Abcd4	4.9	5.6	6.0	5.2	5.0	8.6	5.1	5.9	5.7	5.0	5.3	4.1
Abce1	56.5	52.0	49.7	57.2	53.9	53.5	48.1	49.1	49.3	53.2	57.3	54.0
Abcf1	38.3	34.1	36.9	46.3	35.6	40.0	40.6	37.0	28.9	31.4	37.5	37.8
Abcf2	41.3	40.5	38.4	41.5	39.9	37.9	44.9	41.3	35.8	39.3	44.5	39.1
Abcf3	14.6	14.6	14.2	16.5	13.3	15.4	14.1	13.5	12.8	14.5	13.5	15.1
Abcg1	1.0	0.4	0.5	3.8	4.1	1.8	0.8	0.3	0.4	0.7	0.1	0.4
Abcg2	10.2	9.3	7.7	8.1	9.1	7.6	6.7	8.2	5.7	6.2	6.9	4.1
Abcg3	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abcg4	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Abcg8	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abhd1	0.4	0.6	0.3	0.4	0.2	0.5	0.4	0.7	0.3	0.2	0.3	0.3
Abhd10	2.3	2.4	3.0	2.5	2.5	3.2	1.6	3.3	2.3	2.5	2.0	2.8
Abhd11	14.2	13.9	12.1	9.1	12.8	12.4	11.3	12.1	12.3	10.0	9.4	10.7
Abhd12	30.6	20.5	20.0	44.0	51.8	27.6	25.3	20.0	21.2	27.7	22.5	24.3
Abhd13	7.0	7.4	7.1	6.8	6.9	6.4	6.3	6.2	6.9	8.0	7.2	7.3
Abhd14a	15.1	12.4	11.7	14.6	12.1	15.7	10.8	10.8	11.4	13.0	11.3	9.9
Abhd14b	7.7	7.4	7.3	8.8	7.2	5.9	7.4	8.3	8.5	5.9	6.5	6.0
Abhd15	3.2	3.4	2.0	5.2	5.6	4.0	7.1	3.5	3.8	4.0	4.1	4.3
Abhd16a	12.8	12.0	13.5	16.7	15.9	15.3	17.7	14.4	15.7	15.0	13.6	14.9
Abhd16b	0.3	0.3	0.2	0.1	0.2	0.3	0.2	0.2	0.1	0.3	0.1	0.3
Abhd2	21.7	22.5	18.8	28.3	23.2	23.5	25.7	23.7	26.8	22.2	21.1	24.5
Abhd3	3.4	4.0	4.2	3.6	2.1	4.1	2.1	2.8	2.3	2.0	2.2	3.0
Abhd4	74.2	63.8	54.5	78.7	61.5	87.7	49.5	46.8	43.3	64.4	55.4	52.8
Abhd5	18.3	14.9	13.6	23.0	17.3	21.7	13.4	12.8	12.9	14.2	14.7	14.6
Abhd6	1.7	1.7	1.8	2.2	1.2	1.8	1.5	1.3	1.2	1.6	1.9	1.6
Abhd8	28.9	29.4	24.5	22.3	23.6	33.3	26.8	23.9	26.1	27.1	24.1	21.0
Abi1	21.2	22.8	21.0	27.2	26.8	23.7	24.5	22.0	22.2	21.9	24.7	24.4
Abi2	6.4	8.6	8.6	5.1	6.1	7.2	6.5	7.8	8.3	7.6	8.0	8.2
Abi3	0.4	0.4	0.3	1.2	1.3	0.6	0.3	0.3	0.5	0.4	0.3	0.4
Abi3bp	0.2	0.3	2.4	0.3	0.4	0.1	0.1	0.8	0.2	0.6	0.9	0.6
Abl1	11.6	13.1	13.2	9.7	12.1	10.9	13.5	13.2	13.5	12.2	11.7	10.2
Abl2	5.2	5.3	4.4	4.8	5.1	4.6	4.8	4.9	4.7	6.1	5.7	5.0
Ablim1	14.2	11.7	12.9	11.1	10.5	8.3	12.1	20.9	9.7	11.8	13.0	10.7
Ablim2	0.2	0.2	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1
Ablim3	2.5	1.7	2.0	1.1	0.6	1.3	1.2	3.2	1.1	1.8	1.6	1.5
Abp1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Abr	6.9	5.6	5.3	13.3	16.7	7.3	8.7	6.6	6.1	6.8	6.5	7.0
Abra	0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0
Abracl	31.3	27.0	25.6	33.4	37.1	27.6	38.2	25.3	32.1	49.1	57.5	46.4
Abt1	2.0	2.1	1.6	2.3	1.7	2.3	2.2	1.8	2.0	2.3	2.5	2.4
Abtb1	5.3	5.0	4.6	5.0	5.6	7.1	4.5	5.8	5.0	5.0	4.7	4.4
Abtb2	1.4	1.2	0.7	1.5	1.5	1.5	1.5	1.2	1.6	1.3	1.1	1.1

Online Table 1

Acaa1a	29.7	26.7	21.8	23.5	26.6	24.9	22.4	23.7	25.6	29.8	22.5	23.2
Acaa1b	8.9	8.4	6.7	6.0	7.6	7.2	5.9	5.7	7.6	9.0	6.2	5.8
Acaa2	11.4	9.8	6.3	10.1	8.0	11.2	7.6	10.5	9.1	19.8	12.4	11.3
Acaca	10.0	9.7	8.6	7.5	7.4	7.5	10.3	11.4	9.2	6.1	10.2	7.5
Acacb	0.5	0.8	0.9	0.5	0.5	0.8	0.5	0.7	0.6	0.4	0.4	0.5
Acad10	1.5	1.2	1.1	1.5	1.4	1.6	1.0	1.3	1.0	1.2	0.7	1.0
Acad11	22.4	20.8	20.2	19.3	19.2	22.1	14.5	15.5	14.8	17.1	16.8	17.1
Acad12	2.7	2.5	2.5	2.6	2.5	2.6	2.0	2.2	2.4	2.2	2.5	2.7
Acad8	11.3	11.4	10.2	10.9	9.9	11.5	9.2	8.2	9.8	10.2	10.4	9.8
Acad9	8.9	7.3	6.5	6.6	7.8	6.9	7.5	6.8	6.2	7.0	7.7	7.4
Acadl	16.0	14.1	14.2	14.2	14.0	17.0	14.1	16.9	15.0	14.9	15.7	18.6
Acadm	22.6	20.4	17.7	24.5	18.6	24.7	16.2	20.6	20.4	20.7	20.3	21.5
Acads	9.3	8.5	9.3	9.7	10.4	11.1	10.1	11.3	10.9	11.4	9.2	8.0
Acadsb	46.8	46.4	55.6	45.4	38.7	43.5	42.8	47.9	42.6	45.4	51.6	56.9
Acadvl	65.3	58.8	52.4	57.5	55.2	57.2	48.5	45.7	48.7	56.2	49.7	57.0
Acan	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.3	0.3	0.1	0.1	0.2
Acap1	0.0	0.0	0.0	0.5	1.3	0.0	0.2	0.0	0.0	0.1	0.0	0.0
Acap2	15.1	18.9	20.7	13.8	15.5	14.8	15.8	16.8	16.2	16.2	15.8	17.0
Acap3	4.4	5.0	4.6	5.6	5.0	4.5	5.3	5.4	5.8	5.1	4.2	4.3
Acat1	18.8	15.7	17.2	14.8	14.3	14.9	14.1	14.7	12.9	17.1	16.8	18.0
Acat2	12.0	17.1	14.4	5.2	8.6	8.5	18.2	20.4	16.4	7.0	17.1	6.5
Acat3	25.7	22.9	18.6	21.5	20.5	19.1	20.4	19.9	19.8	21.3	24.5	21.0
Acbd3	26.7	26.9	28.8	30.7	27.4	28.8	30.2	25.6	25.7	25.5	31.6	33.0
Acbd4	6.0	6.8	6.2	6.8	4.7	6.9	5.7	5.3	6.4	5.8	5.3	5.6
Acbd5	21.5	18.9	18.8	28.0	19.0	26.5	21.1	15.0	17.8	19.2	23.1	26.0
Acbd6	19.6	15.7	15.0	15.4	13.6	14.9	14.3	16.5	15.9	15.4	13.5	15.1
Acbd7	0.1	0.0	0.1	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
Accs	1.5	1.8	1.4	1.5	1.2	2.1	1.5	2.3	1.7	1.3	1.5	1.8
Acd	5.6	5.4	4.3	5.8	5.3	5.7	5.7	5.8	4.8	4.6	4.7	3.4
Ace	0.6	0.6	1.2	0.5	0.7	1.0	0.5	1.3	0.4	0.5	0.5	0.3
Ace2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1
Acer2	0.3	0.3	0.2	0.4	0.3	0.4	0.1	0.1	0.1	0.2	0.2	0.1
Acer3	5.1	3.8	4.7	4.5	4.7	4.0	4.4	4.7	4.2	4.6	5.8	5.0
Ache	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.0	0.2	0.0
Acin1	16.9	17.0	20.2	21.4	18.2	16.3	24.0	22.8	19.3	19.6	21.6	21.5
Acly	47.9	51.8	46.9	36.5	42.1	41.5	59.7	73.8	55.0	41.6	64.2	40.3
Acmsd	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Acn9	6.7	4.1	5.1	6.2	4.0	7.8	5.8	3.7	5.3	7.4	4.0	4.2
Acnat1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aco1	13.1	14.3	13.1	11.8	13.2	11.3	14.0	16.6	15.6	13.9	14.3	13.4
Aco2	67.7	61.0	54.3	77.6	61.7	66.8	56.8	60.7	49.7	61.2	62.4	59.2
Acot1	0.6	0.3	1.0	0.3	0.5	0.7	0.7	2.3	1.3	1.2	1.2	0.7
Acot10	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Acot11	7.8	5.8	6.0	9.0	6.5	8.2	7.0	5.6	6.4	5.7	7.0	8.7
Acot12	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acot13	80.8	58.4	46.1	75.4	47.5	82.6	41.2	44.1	34.9	52.8	56.2	70.5
Acot2	5.3	2.2	1.6	4.4	1.8	4.5	3.1	5.0	2.6	2.9	3.8	2.5
Acot3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acot4	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.4	0.3	0.1
Acot5	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Acot6	1.6	1.4	1.0	1.1	1.1	1.7	1.1	1.3	1.2	1.4	0.9	1.1
Acot7	51.4	38.8	29.9	70.7	59.3	56.5	64.4	51.1	46.1	49.4	56.2	39.9
Acot8	5.9	5.4	4.9	6.5	5.2	5.7	5.9	4.4	5.6	6.1	5.7	4.6
Acot9	40.8	32.3	25.9	32.8	32.1	33.7	32.1	29.8	34.4	32.4	39.0	34.1
Acox1	41.6	34.8	30.8	44.6	35.5	43.1	32.6	29.0	29.1	40.7	36.9	42.1
Acox2	0.2	0.1	0.1	0.2	0.2	0.0	0.2	0.1	0.2	0.1	0.2	0.1
Acox3	7.6	6.2	5.9	9.7	8.7	7.3	6.0	5.4	4.9	5.5	5.0	5.6

Online Table 1

Acox1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Acp1	21.0	18.8	17.9	22.1	17.4	20.5	18.6	18.0	16.1	18.9	20.5	20.1
Acp2	11.3	10.2	10.0	17.0	12.2	14.1	11.8	12.1	11.2	10.2	11.7	11.9
Acp5	0.8	0.7	0.8	0.5	1.2	0.3	0.7	0.8	0.7	1.4	1.0	1.0
Acp6	7.2	6.0	4.8	6.2	4.8	5.7	5.0	5.8	4.8	5.5	5.0	5.1
Acpl2	4.7	6.3	8.1	4.6	5.9	7.8	11.2	9.5	11.8	8.9	8.6	12.8
Acpp	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
Acrbp	0.4	1.2	0.6	0.5	0.8	0.3	0.6	0.3	0.8	0.4	0.5	0.6
Acsbg1	0.2	0.1	0.0	0.3	0.6	0.4	0.1	0.0	0.1	0.1	0.2	0.2
Acsf2	1.8	2.4	2.1	1.7	1.2	1.8	1.1	1.5	1.8	1.8	1.1	1.4
Acsf3	2.3	2.8	2.4	2.8	2.3	2.7	2.1	2.4	2.6	2.9	2.3	2.2
Acsf1	6.6	5.3	6.6	7.2	6.3	5.5	6.3	5.9	4.7	4.9	5.4	5.4
Acsf3	6.7	11.9	12.7	4.8	6.3	6.8	13.0	15.2	11.5	4.4	11.1	7.0
Acsf4	11.6	11.8	12.9	14.1	16.4	8.6	15.7	11.2	12.6	14.0	17.0	14.0
Acsf5	31.1	26.3	27.2	36.9	36.4	28.4	33.6	25.3	30.7	26.8	31.4	30.3
Acsf6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1
Acsm3	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Acsm4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Acss1	0.1	0.1	0.0	0.6	1.4	0.0	0.3	0.0	0.0	0.1	0.0	0.1
Acss2	6.4	10.8	9.9	3.5	5.8	6.1	7.5	14.1	7.9	3.2	7.7	3.4
Acss3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Acta1	1.3	0.7	0.6	2.0	1.4	0.8	1.5	0.6	1.2	1.8	2.0	1.0
Acta2	401.3	299.2	266.7	430.6	444.2	259.6	674.9	330.0	548.1	497.1	865.8	554.4
Actb	1815.6	1530.6	1385.1	2181.2	2798.9	1302.3	2815.4	1902.9	2479.7	2234.8	2644.7	2112.5
Actc1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Actg1	886.8	700.5	577.6	898.4	1044.2	678.7	1076.0	737.4	1027.1	1013.3	1137.0	905.1
Actg2	2.7	1.7	0.7	3.1	4.6	2.0	4.8	1.8	5.7	15.1	25.1	9.0
Actl10	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Actl11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actl6a	15.4	17.2	16.0	14.8	16.3	13.8	17.0	16.6	15.8	15.7	15.7	15.4
Actl7a	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0
Actl7b	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actl9	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Actn1	183.0	154.3	136.9	182.7	156.9	148.3	218.2	176.6	170.4	178.0	223.4	181.2
Actn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actn3	0.7	1.4	1.3	0.4	0.7	0.5	0.8	0.7	0.7	1.9	1.7	1.3
Actn4	28.9	37.6	42.1	33.4	51.0	28.9	59.5	54.6	52.8	55.0	50.7	54.5
Actr10	20.1	19.7	15.2	18.3	18.1	19.3	16.4	16.5	17.6	19.4	18.9	17.6
Actr1a	53.9	51.5	47.4	57.7	52.4	54.8	59.6	55.5	55.1	53.5	56.4	52.3
Actr1b	52.8	43.3	34.8	62.2	43.5	55.1	46.7	35.9	40.7	43.5	44.6	39.4
Actr2	58.6	50.7	42.0	70.1	76.7	61.7	49.9	43.0	52.1	59.0	54.6	58.4
Actr3	68.6	62.0	57.6	85.3	100.0	61.8	85.3	61.5	76.1	74.8	93.7	78.4
Actr3b	0.6	0.7	0.7	0.7	0.8	0.6	0.5	0.6	0.5	0.6	0.4	0.7
Actr5	2.0	2.0	1.8	1.5	2.1	2.1	2.1	2.2	2.1	1.8	1.8	1.2
Actr6	5.9	6.4	5.8	5.9	5.2	6.1	3.7	4.2	5.1	6.6	5.8	6.5
Actr8	11.2	10.2	10.1	12.1	10.4	11.5	11.3	10.7	11.3	11.0	12.3	11.2
Acvr1	4.8	6.1	6.7	4.9	5.9	6.2	7.6	6.6	7.8	8.1	8.9	7.9
Acvr1b	4.7	8.8	14.1	4.2	9.1	3.5	8.3	11.4	8.0	5.5	5.3	7.5
Acvr1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acvr2a	3.3	3.6	4.2	4.1	3.7	3.4	4.1	6.0	5.2	4.9	5.9	4.8
Acvr2b	0.3	0.3	0.4	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.0	0.2
Acvr11	53.5	61.2	73.7	55.6	68.3	50.5	80.3	78.8	65.3	36.4	43.6	50.1
Acy1	7.8	8.4	6.3	7.3	6.4	9.0	6.9	6.5	8.2	7.4	7.1	7.0
Acy3	7.6	8.2	7.8	9.2	5.6	8.3	5.7	5.0	5.6	4.9	6.7	5.1
Acyp1	12.9	14.5	18.0	12.0	11.3	16.3	12.9	15.4	14.8	17.6	14.6	18.9
Acyp2	21.9	18.3	17.5	32.4	21.0	24.2	18.5	19.8	19.8	13.7	25.8	24.6
Ada	17.2	16.5	23.7	26.8	20.2	16.0	19.8	31.1	21.1	12.3	13.9	18.7

Online Table 1

Adal	2.9	2.9	3.1	3.3	3.3	3.5	2.4	3.4	3.2	3.3	3.2	3.2
Adam10	19.0	23.3	28.5	19.8	27.4	20.6	28.3	31.9	28.8	29.8	33.0	33.3
Adam11	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.1	0.1
Adam12	1.1	2.7	9.7	0.7	4.7	0.5	6.7	18.5	11.8	8.5	7.0	9.7
Adam15	47.7	44.4	38.2	55.7	61.7	48.6	56.2	51.9	52.7	47.1	44.2	40.4
Adam17	16.3	18.0	21.8	21.3	28.3	17.9	17.6	19.7	18.2	16.0	14.8	18.9
Adam18	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Adam19	12.7	16.7	15.6	14.0	20.9	15.3	26.9	18.1	20.8	13.3	14.3	13.3
Adam1a	0.3	0.2	0.2	0.3	0.4	0.2	0.4	0.3	0.4	0.4	0.4	0.2
Adam1b	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Adam21	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Adam22	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.5	0.2	0.4
Adam23	7.2	10.7	10.9	13.5	9.8	14.1	11.8	9.1	8.2	20.0	22.1	12.0
Adam28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Adam3	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Adam32	0.1	0.1	0.2	0.2	0.1	0.3	0.1	0.1	0.2	0.2	0.1	0.1
Adam33	0.3	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.5	0.2	0.0
Adam39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam4	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2
Adam5	0.8	0.8	0.8	0.3	0.8	0.6	0.8	0.6	0.6	0.3	0.6	0.5
Adam8	6.1	0.3	0.6	49.1	79.4	0.4	6.5	1.3	1.2	4.6	1.4	2.9
Adam9	152.6	148.4	138.1	160.4	172.4	136.7	179.3	136.3	149.1	169.8	182.0	170.1
Adamts1	109.1	174.2	168.0	151.7	137.6	107.3	138.0	146.9	192.2	71.0	99.4	82.2
Adamts10	12.8	15.9	19.6	9.3	14.1	10.9	14.3	17.5	22.6	11.7	12.0	12.8
Adamts12	5.2	5.0	5.0	5.0	8.0	3.7	10.5	11.2	14.5	9.6	8.6	8.5
Adamts13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adamts14	0.3	0.3	0.2	0.2	0.4	0.2	0.6	0.3	0.7	0.8	0.4	0.5
Adamts15	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.4	0.5
Adamts16	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Adamts17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adamts19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adamts2	38.5	64.7	96.8	31.1	65.3	29.1	79.3	109.4	94.6	57.4	51.2	70.6
Adamts20	0.2	0.1	0.2	0.2	0.3	0.1	0.2	0.5	0.4	0.2	0.2	0.3
Adamts3	0.0	0.1	0.4	0.0	0.1	0.0	0.1	0.2	0.1	0.3	0.1	0.1
Adamts4	0.9	1.0	1.3	0.3	2.2	0.9	1.4	1.9	2.5	3.3	1.7	1.7
Adamts5	117.9	149.2	161.2	141.1	116.2	128.0	140.6	141.0	140.4	79.8	112.8	101.0
Adamts6	1.2	1.1	1.0	0.4	1.0	0.9	1.4	1.8	1.3	1.0	1.6	1.1
Adamts7	1.4	1.7	2.1	1.1	2.6	1.2	1.7	2.0	1.5	1.6	0.9	1.0
Adamts8	0.3	0.1	0.1	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0
Adamts9	11.5	16.4	14.0	12.9	17.8	8.9	15.7	8.0	11.1	17.9	13.8	9.7
Adamtsl1	0.5	0.4	0.6	0.3	0.3	0.2	0.4	0.3	0.9	1.8	1.2	0.7
Adamtsl2	16.9	37.2	102.2	11.0	20.8	9.5	17.7	74.1	24.0	5.8	8.3	20.0
Adamtsl3	28.1	33.6	60.7	15.4	36.1	12.8	68.0	77.0	76.9	43.9	60.6	73.1
Adamtsl4	3.2	5.5	5.7	2.5	3.8	3.7	7.5	8.8	6.4	4.3	4.2	3.8
Adamtsl5	20.4	15.2	10.3	21.3	15.2	26.1	16.4	9.6	11.8	9.6	13.4	11.4
Adap1	1.0	0.9	0.6	2.1	3.7	0.3	0.9	1.1	0.5	0.5	1.1	0.4
Adap2	1.3	1.5	0.6	4.8	4.4	1.1	1.2	0.4	1.0	0.5	0.6	0.7
Adar	9.4	7.3	7.0	9.6	8.3	7.8	8.0	6.3	6.9	6.1	6.5	8.5
Adarb1	1.6	1.8	3.2	1.6	2.3	1.4	2.3	3.5	3.1	2.6	2.1	3.1
Adat1	1.0	1.1	1.2	1.1	1.1	1.2	1.1	0.9	0.8	0.8	0.9	0.8
Adat2	2.2	2.2	2.0	2.3	2.3	2.4	2.2	2.2	2.1	1.9	2.8	2.5
Adat3	0.8	1.0	0.9	0.7	0.9	0.5	1.3	1.1	1.1	0.8	0.9	0.6
Adc	10.5	11.0	14.3	8.9	10.6	9.3	12.0	15.9	17.2	12.6	10.3	13.4
Adck1	5.4	5.5	4.5	4.4	4.8	5.2	4.9	4.8	5.2	5.3	4.5	4.7
Adck2	2.2	2.0	2.0	1.7	1.7	2.2	2.1	2.3	2.3	2.4	1.8	1.8
Adck3	1.8	1.7	1.7	1.7	1.6	1.8	1.2	2.0	1.7	2.0	1.8	2.1
Adck4	6.2	6.5	7.7	5.5	7.3	5.0	6.3	8.7	6.8	7.3	5.4	7.7

Online Table 1

Adck5	2.7	3.0	2.8	3.5	3.0	3.9	3.4	3.0	3.9	3.3	2.5	2.7
Adcy1	2.2	2.1	1.5	1.2	1.2	0.8	2.3	1.5	2.8	2.2	2.4	1.6
Adcy10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adcy2	1.2	0.9	1.4	2.3	2.2	0.6	1.0	0.9	0.8	0.6	0.6	0.7
Adcy3	4.3	4.7	5.1	5.3	4.6	5.9	6.5	6.3	5.9	6.7	5.2	6.6
Adcy4	0.6	0.6	0.6	0.8	0.5	0.5	0.6	0.8	0.6	0.6	0.4	0.6
Adcy5	0.3	0.5	0.8	0.2	0.4	0.2	0.4	0.7	0.3	1.1	0.7	0.5
Adcy6	8.5	9.6	10.0	8.2	7.9	8.7	10.5	8.0	10.5	9.9	9.4	8.8
Adcy7	12.3	8.7	6.6	13.8	14.5	12.7	12.4	7.0	9.1	8.2	9.8	8.1
Adcy8	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.0	0.1	0.1	0.0
Adcy9	2.5	2.4	3.0	1.8	2.3	2.4	2.3	1.9	2.4	1.9	2.1	2.0
Adcyap1r1	11.2	16.7	7.8	9.7	7.1	13.4	6.2	3.3	2.7	3.8	5.3	2.5
Add1	70.9	89.7	108.8	67.4	81.4	68.0	98.0	117.9	99.5	82.0	93.2	99.7
Add2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.0
Add3	36.6	34.9	35.9	32.7	25.0	28.4	35.6	41.9	36.1	30.4	43.4	36.1
Adgb	0.2	0.1	0.1	0.2	0.2	0.3	0.1	0.1	0.0	0.1	0.2	0.1
Adh1	0.8	0.7	1.6	0.6	0.2	0.4	0.1	0.5	0.1	0.3	0.7	0.2
Adh5	71.3	60.7	51.0	66.7	55.1	68.2	47.8	47.6	42.6	60.4	56.3	53.2
Adh7	5.1	2.6	2.3	5.0	6.3	5.3	0.4	2.3	0.2	0.7	0.8	0.7
Adhfe1	1.3	1.0	1.6	0.6	1.0	1.2	0.6	1.2	0.7	0.8	0.6	1.0
Adi1	6.4	6.9	6.7	7.3	7.2	8.9	6.3	6.7	5.6	6.8	7.0	7.4
Adipor1	134.7	98.6	79.8	140.1	104.0	130.1	106.5	90.9	97.0	107.1	113.5	101.8
Adipor2	19.3	20.4	19.1	17.0	18.5	17.2	20.9	22.6	20.4	19.4	24.2	18.8
Adk	68.4	54.1	48.0	45.7	43.1	51.9	45.9	46.9	43.5	48.7	53.8	40.3
Adm	270.0	423.3	472.8	320.8	304.4	337.7	307.2	173.5	253.0	141.2	144.5	191.0
Adm2	0.9	0.5	0.6	1.0	0.1	0.9	0.4	0.3	0.5	0.5	0.3	0.4
Adnp	5.7	7.0	7.1	6.4	6.6	6.3	6.6	7.3	6.9	7.2	7.4	6.9
Adnp2	4.5	4.7	4.8	4.2	5.2	4.7	5.1	4.8	5.7	5.4	5.4	5.1
Ado	10.2	10.8	11.3	9.5	11.9	10.6	13.3	11.5	13.1	14.7	12.8	12.4
Adora1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Adora2a	0.3	0.9	1.6	0.7	0.7	0.4	1.1	0.8	2.3	0.4	0.4	1.1
Adora2b	2.7	7.9	7.0	1.5	5.5	1.8	4.7	3.9	6.1	3.7	2.6	5.3
Adora3	0.4	0.4	0.5	0.5	0.8	0.2	0.5	0.5	0.5	1.0	0.7	0.9
Adpgk	17.1	15.0	13.5	15.3	14.1	15.3	15.2	15.1	15.9	14.1	14.6	12.7
Adprh	30.4	27.5	23.6	29.8	29.0	30.7	30.6	25.1	30.0	29.8	27.2	28.0
Adprh2	9.4	7.8	6.6	6.3	7.9	8.2	6.7	7.3	8.7	9.6	7.2	7.1
Adprm	8.6	7.8	7.0	9.1	7.6	9.3	6.9	6.9	7.1	8.3	7.7	7.5
Adra1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adra1b	2.0	1.4	0.4	2.6	0.4	2.0	0.7	0.3	0.6	0.5	0.6	0.7
Adra1d	0.9	0.7	0.4	0.4	0.3	0.5	0.6	0.2	0.8	1.0	0.8	0.7
Adra2a	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1
Adra2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adrb1	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Adrb2	5.1	3.7	3.0	6.6	5.7	7.1	4.0	2.6	2.5	2.8	2.9	2.5
Adrb3	0.4	0.4	0.3	0.3	0.3	0.2	0.5	0.2	0.6	0.2	0.4	0.1
Adrbk1	14.7	14.5	13.1	16.0	20.3	13.6	16.0	13.5	13.7	12.1	13.7	11.9
Adrbk2	0.0	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adrm1	43.2	43.2	39.0	51.4	42.5	42.3	51.7	44.4	46.7	43.1	43.6	38.2
Adsl	7.5	7.5	6.5	7.1	6.7	6.9	8.3	7.6	7.2	6.8	7.5	6.8
Adss	26.7	23.6	22.7	27.9	24.9	26.3	24.0	20.8	23.1	29.1	29.5	28.5
Adssl1	1.8	0.9	0.5	3.0	3.4	3.9	0.9	0.6	0.5	1.5	1.1	1.9
Adtrp	0.3	0.1	0.1	0.8	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0
Aebp1	56.1	68.4	102.8	39.6	69.8	60.3	92.5	93.3	91.0	117.6	88.1	118.4
Aebp2	21.9	20.3	21.9	22.5	23.2	19.7	27.3	20.5	22.8	24.2	22.3	23.3
Aen	43.9	36.0	31.3	44.6	39.5	40.3	42.2	29.5	35.8	40.1	41.4	39.4
Aes	206.0	165.6	134.2	237.9	148.4	236.8	149.0	148.2	133.9	132.7	147.4	129.3
AF251705	1.4	0.0	0.0	12.7	19.3	0.0	1.9	0.3	0.4	1.2	0.6	1.3

Online Table 1

AF357425	111.2	143.2	150.1	236.2	228.1	0.0	181.2	326.1	434.8	651.5	0.0	0.0
AF366264	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Afap1	14.7	15.3	13.5	17.3	14.1	16.7	19.4	14.2	16.2	15.1	17.7	14.2
Afap111	0.8	0.4	0.5	0.3	0.2	0.2	0.4	0.8	0.6	0.1	0.2	0.4
Afap112	6.8	4.1	3.7	5.7	5.0	3.7	6.2	3.7	6.1	6.1	7.5	6.1
Aff1	7.6	10.2	10.2	7.6	10.7	6.7	11.4	9.1	9.9	8.4	9.0	9.3
Aff2	2.0	1.9	2.2	1.5	1.1	1.4	1.1	1.5	0.9	1.4	1.1	1.8
Aff3	6.4	5.0	4.7	5.5	3.9	5.6	3.6	3.9	3.3	2.7	3.0	3.7
Aff4	28.1	29.8	28.6	25.7	23.4	28.5	25.0	25.7	26.0	25.7	28.3	29.2
Afg311	8.1	8.5	8.8	10.4	10.0	8.4	8.9	9.3	9.1	8.6	8.5	8.8
Afg312	13.3	13.0	11.1	15.6	14.8	15.3	14.7	11.5	11.5	13.6	13.5	13.0
Afmid	1.1	1.1	1.4	1.1	0.8	0.9	1.0	1.0	0.8	1.1	1.1	0.9
Afp	0.3	0.1	0.0	0.6	1.2	0.1	0.1	0.1	0.0	0.1	0.1	0.2
Aftph	13.9	13.1	10.6	14.5	12.1	14.7	10.1	9.8	10.6	12.0	12.4	12.0
Aga	116.8	94.6	89.6	108.1	84.9	117.5	69.7	62.3	63.7	89.9	84.5	90.0
Agap1	3.2	2.5	2.2	3.3	2.7	2.6	2.2	2.0	2.1	4.0	3.3	2.3
Agap2	0.0	0.0	0.0	0.2	0.4	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Agap3	10.5	8.4	8.8	11.0	10.5	12.5	10.2	8.4	9.5	9.1	8.4	9.1
Agbl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agbl2	1.0	1.1	1.2	0.9	0.8	1.0	1.0	0.9	1.1	0.9	1.0	1.3
Agbl3	0.8	0.8	0.8	0.7	0.7	0.5	0.6	0.8	0.7	0.9	0.7	0.8
Agbl4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agbl5	0.7	0.7	1.0	0.8	0.9	1.0	0.9	0.9	0.9	1.0	0.9	1.1
Ager	1.0	0.6	0.7	1.6	1.5	1.5	0.8	0.4	0.4	0.1	0.6	0.4
Agfg1	13.5	14.8	13.5	12.5	14.5	12.7	13.5	14.1	16.1	15.9	15.7	15.6
Agfg2	5.3	7.9	8.1	4.4	5.5	5.8	7.6	9.8	8.9	5.8	7.6	5.9
Aggf1	17.5	16.8	17.8	17.8	16.8	17.0	17.0	18.7	16.1	18.4	16.0	20.2
Agk	7.1	8.5	7.9	7.4	6.8	7.4	8.9	8.2	7.5	6.1	7.0	7.4
AgI	8.5	7.0	5.7	9.7	7.3	9.1	7.1	5.8	6.4	7.4	7.5	7.3
Agmo	0.8	0.7	0.9	1.2	0.5	1.1	0.4	0.6	0.2	0.2	0.2	0.1
Agpat1	34.8	34.1	27.4	37.4	35.0	38.1	33.2	30.1	31.6	31.2	34.8	28.5
Agpat2	10.3	10.7	10.4	12.6	10.5	11.3	10.0	10.9	10.3	9.3	7.6	8.4
Agpat3	29.8	26.7	26.5	31.5	26.0	32.8	31.6	28.6	28.2	27.0	30.5	30.1
Agpat4	17.1	13.2	12.0	13.5	12.9	14.9	11.5	10.6	9.9	13.4	11.6	13.5
Agpat5	7.3	6.2	5.2	5.5	6.2	6.1	5.4	4.8	5.5	6.4	6.4	6.1
Agpat6	22.6	20.7	20.2	23.0	21.4	21.0	23.8	23.8	22.6	21.3	23.3	22.4
Agpat9	0.5	0.3	0.3	0.7	0.4	0.7	0.5	0.5	0.7	0.5	0.6	0.5
Agphd1	1.7	2.4	2.5	2.0	1.9	2.1	2.1	2.2	1.9	2.1	2.5	2.3
Agps	10.5	10.9	9.9	9.4	11.5	8.7	10.6	11.6	11.6	10.3	13.0	11.5
Agrn	4.2	4.3	5.5	3.6	4.2	3.5	3.6	4.7	4.4	5.3	3.1	3.9
Agrp	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.1
Agt	0.2	0.5	0.6	0.5	1.0	0.2	0.4	0.8	0.7	0.4	0.6	0.4
Agtppb1	12.0	12.0	12.5	12.6	11.3	10.4	11.3	9.8	9.9	10.2	11.1	11.9
Agtr1a	0.2	0.2	0.3	0.7	0.2	0.1	0.1	0.3	0.6	1.6	1.1	0.4
Agtr1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agtr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Agtrap	9.3	7.7	8.4	9.6	8.2	7.9	9.3	8.6	9.0	8.5	8.5	9.9
Agxt	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
Agxt212	4.0	3.8	3.7	3.6	3.2	4.0	3.6	3.6	3.4	3.1	4.1	3.4
Ahctf1	10.4	10.8	11.0	10.3	10.6	9.9	11.3	11.9	12.1	11.0	12.4	11.2
Ahcy	18.1	16.5	18.0	17.3	18.4	18.8	19.3	15.6	15.9	21.2	19.7	17.2
Ahcyl1	56.8	62.9	58.4	60.2	63.7	64.3	57.9	51.4	53.4	59.7	62.7	56.5
Ahcyl2	6.9	5.4	4.1	7.9	6.0	5.8	4.1	4.0	4.2	6.0	5.0	5.0
Ahdc1	1.7	2.8	2.6	1.5	2.1	2.0	2.7	2.7	2.8	2.6	2.0	1.9
Ahi1	5.5	5.0	5.1	4.8	4.2	6.0	4.0	4.2	3.0	4.3	4.9	4.3
Ahnak	463.3	476.3	416.9	384.4	345.7	473.9	419.3	482.0	413.0	384.5	501.6	463.1
Ahr	2.7	2.3	3.4	1.1	2.2	1.2	2.2	3.0	4.5	10.9	5.6	8.2

Online Table 1

Ahrr	0.3	0.2	0.1	0.5	0.1	0.3	0.3	0.3	0.2	0.3	0.2	0.2
Ahsa1	91.4	97.9	88.4	113.6	90.3	85.7	86.7	76.6	78.6	88.6	101.6	94.9
Ahsa2	22.7	24.9	21.0	19.5	19.6	20.4	18.7	17.3	20.4	23.6	24.8	21.6
Ahsg	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
AI115009	0.2	0.0	0.1	0.1	0.1	0.3	0.3	0.1	0.1	0.2	0.3	0.3
AI118078	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
AI182371	0.2	0.1	0.3	0.0	0.1	0.2	0.1	0.2	0.4	0.0	0.0	0.1
AI197445	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
AI314180	21.6	22.8	20.1	21.1	20.3	21.7	19.5	21.5	20.5	20.1	21.0	21.5
AI314831	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.1
AI316807	14.8	12.7	11.1	19.3	11.3	16.2	11.9	12.7	11.4	11.1	13.5	13.2
AI317395	0.6	0.4	0.4	0.5	0.3	0.7	0.2	0.5	0.2	0.2	0.3	0.3
AI413582	20.6	17.0	11.6	26.6	25.1	24.9	16.4	12.4	10.9	19.0	12.8	13.8
AI414108	1.5	1.2	0.7	1.1	0.9	1.0	0.7	0.2	0.4	0.9	1.0	0.8
AI427809	1.0	0.6	0.6	1.7	1.3	1.2	0.6	0.4	0.6	0.7	0.6	0.7
AI429214	1.9	1.6	2.1	1.6	1.1	1.9	1.1	1.9	1.9	1.4	1.7	2.0
AI450353	0.1	0.3	0.7	0.2	0.4	0.3	0.5	0.3	0.4	0.3	0.1	0.3
AI462493	17.7	15.7	17.0	17.9	15.8	19.1	15.7	15.7	19.6	23.7	18.0	21.7
AI463170	0.1	0.0	0.0	0.0	0.1	0.0	0.4	0.3	0.2	0.5	0.0	0.2
AI464131	3.2	3.6	3.8	2.4	2.6	3.2	3.5	5.2	4.2	3.2	3.6	3.1
AI467606	0.2	0.0	0.0	1.6	2.2	0.0	0.2	0.0	0.0	0.1	0.0	0.2
AI480653	12.4	9.4	7.7	11.1	11.0	13.3	11.3	8.7	9.9	9.8	9.1	9.4
AI504432	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI506816	0.5	2.4	0.8	4.9	0.7	0.7	10.3	8.7	1.2	5.7	9.5	0.4
AI507597	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0
AI597468	14.3	17.5	17.4	15.1	16.4	16.9	16.8	18.7	20.2	18.9	22.2	21.0
AI597479	14.7	14.4	12.7	17.3	12.7	18.2	11.6	9.9	11.0	14.0	14.0	14.4
AI607873	0.7	0.4	0.7	2.9	2.1	0.5	0.5	0.4	0.2	0.3	0.4	0.6
AI661453	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
AI662270	0.6	0.1	0.1	2.8	5.5	0.0	0.8	0.1	0.2	0.6	0.5	0.6
AI837181	9.9	8.5	8.9	9.7	9.6	9.2	9.0	11.4	9.8	11.3	10.9	9.0
AI846148	6.6	6.6	4.9	3.9	5.0	5.1	6.8	5.4	6.0	6.1	6.6	5.7
AI848285	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
AI854703	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1
AI987944	8.9	9.1	11.1	9.0	8.5	9.7	8.3	8.8	8.2	8.3	11.1	11.0
Aida	33.6	32.2	29.8	50.9	34.3	40.8	37.4	28.2	29.7	25.9	35.1	33.6
Aif1	1.3	0.1	0.0	8.3	11.1	0.2	0.9	0.0	0.6	0.6	0.7	1.3
Aif1l	1.8	0.7	0.5	1.1	0.6	1.2	0.9	1.1	1.3	4.2	3.2	1.8
Aifm1	10.7	11.7	13.8	9.5	10.0	10.1	10.9	12.5	10.0	12.4	12.0	12.7
Aifm2	8.1	6.7	5.9	8.3	6.2	8.0	7.1	6.0	7.7	6.9	7.9	6.9
Aifm3	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Aig1	5.8	4.2	3.5	4.0	4.4	6.3	4.9	5.2	5.4	7.6	7.6	4.1
Aim1	0.2	0.1	0.2	0.5	0.8	0.1	0.2	0.2	0.2	0.3	0.2	0.2
Aim1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aim2	4.2	3.4	3.6	5.9	6.0	3.9	6.0	2.9	3.1	1.4	2.6	2.9
Aimp1	57.7	47.3	39.6	48.5	43.5	57.3	42.4	42.1	41.3	51.1	49.0	48.0
Aimp2	17.1	15.8	13.5	19.2	15.6	15.1	19.6	13.9	17.0	16.5	16.9	14.1
Aip	18.2	17.8	19.6	25.0	20.6	21.9	19.5	20.5	18.1	19.4	18.4	19.4
Aipl1	0.1	0.2	0.3	0.0	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.1
Airn	1.8	2.3	2.1	0.9	1.4	0.9	3.0	1.5	1.8	3.1	0.9	2.5
Ajuba	10.9	8.1	5.4	10.0	6.9	8.6	8.0	7.5	10.1	12.9	11.2	8.0
AK010878	2.3	2.1	2.6	2.6	2.9	2.3	2.1	2.5	2.0	3.7	2.0	2.2
Ak1	126.1	133.0	136.3	127.8	139.3	127.1	175.5	156.7	165.9	148.7	162.6	144.8
AK129341	1.2	0.7	0.5	2.1	0.8	1.4	0.5	0.4	0.4	0.7	0.9	0.6
Ak2	16.9	17.7	17.3	18.3	19.5	16.0	21.0	21.2	18.8	18.6	22.2	19.8
Ak3	44.3	50.8	48.7	40.9	37.7	43.9	37.1	46.0	40.8	38.4	46.4	42.7
Ak4	8.2	8.9	5.4	6.8	8.0	10.3	7.1	3.5	5.4	6.5	5.7	5.7

Online Table 1

Ak5	4.4	7.0	7.7	5.3	6.0	7.3	7.9	5.7	7.1	10.9	10.7	9.5
Ak7	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Ak8	0.5	0.2	0.5	0.3	0.3	0.6	0.1	0.2	0.3	0.1	0.3	0.1
Akap1	9.4	9.4	8.4	10.2	8.9	10.9	9.2	7.2	8.0	9.4	9.3	8.7
Akap10	7.8	8.6	7.7	9.0	9.4	7.7	7.3	7.5	8.1	8.0	7.7	7.4
Akap11	10.5	10.8	10.1	10.2	9.9	11.1	9.5	8.8	9.5	11.1	11.2	11.3
Akap12	113.0	113.8	112.5	138.4	136.2	139.7	179.0	112.3	120.9	119.7	161.9	122.4
Akap13	11.3	12.7	13.0	12.0	12.3	9.5	14.2	12.2	12.1	9.8	11.0	12.5
Akap14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Akap17b	2.9	3.7	3.5	3.4	2.5	2.9	2.4	2.3	2.7	2.4	3.1	3.2
Akap2	121.9	125.8	110.9	113.0	98.8	89.6	97.5	79.2	90.5	91.1	112.2	123.9
Akap3	0.1	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Akap5	2.2	0.6	0.5	1.5	0.7	1.3	1.0	0.4	1.0	11.4	5.1	4.0
Akap6	1.4	1.1	1.3	1.9	1.2	1.0	0.8	1.2	0.8	0.5	0.6	0.7
Akap7	5.2	5.0	5.4	4.9	4.0	6.3	5.7	4.4	4.1	4.2	4.9	5.9
Akap8	8.4	8.2	10.1	9.7	9.9	7.9	11.3	9.0	9.3	9.3	9.6	10.8
Akap8l	18.4	17.0	17.0	19.1	13.6	18.4	15.4	13.8	14.2	18.9	15.9	16.4
Akap9	12.5	11.8	11.1	13.7	9.8	13.1	10.9	10.3	9.1	9.9	12.3	12.4
Akip1	21.8	22.3	18.5	22.7	17.5	17.9	15.9	17.5	17.4	14.6	17.9	17.4
Akirin1	25.6	24.2	20.5	34.4	26.8	28.3	24.0	20.0	21.5	22.5	26.6	25.3
Akirin2	30.9	30.2	28.1	29.5	28.9	28.7	28.2	26.0	30.8	29.6	29.5	29.3
Akna	0.9	0.7	0.7	1.7	2.8	0.9	1.3	1.3	1.0	0.5	0.7	0.6
Aknad1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Akr1a1	283.1	223.6	186.9	377.1	380.4	285.8	228.6	233.9	223.8	253.9	243.9	236.1
Akr1b10	19.6	17.7	15.5	23.3	21.8	22.7	15.5	12.9	13.1	21.6	17.7	16.8
Akr1b3	7.8	5.6	7.1	6.0	8.3	9.3	5.2	10.7	14.0	6.8	3.4	6.4
Akr1b7	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Akr1b8	51.6	39.6	36.3	68.1	63.8	55.7	54.6	52.6	44.4	38.7	44.8	40.4
Akr1c12	2.0	1.7	1.4	3.7	3.4	1.8	1.3	0.9	0.4	0.7	0.7	0.8
Akr1c13	14.0	10.6	7.7	18.0	14.9	10.7	5.0	4.8	2.7	3.7	4.6	5.1
Akr1c14	14.6	14.0	14.4	11.3	7.6	12.5	3.7	8.4	4.4	7.5	8.1	9.4
Akr1c18	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Akr1c19	0.3	0.4	0.6	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Akr1cl	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0
Akr1e1	19.8	19.3	20.3	18.7	15.0	18.8	17.8	18.0	16.2	18.2	17.0	21.2
Akr7a5	14.8	13.9	10.4	11.5	9.9	14.1	11.5	11.9	11.0	15.1	12.5	11.5
Akt1	77.2	68.8	62.6	84.3	75.1	74.6	93.1	74.8	75.7	75.3	86.7	76.3
Akt1s1	42.0	30.6	29.5	46.8	31.1	44.8	34.7	34.1	29.3	39.2	34.6	32.2
Akt2	36.3	33.8	34.1	36.8	28.8	35.9	30.9	31.8	30.8	34.3	33.2	32.6
Akt3	13.4	18.4	16.1	15.6	10.7	19.9	11.5	11.9	11.4	10.6	12.5	12.9
Aktip	43.5	35.3	31.5	55.6	28.7	58.5	31.9	24.3	26.4	27.0	35.0	31.9
Alad	2.9	3.1	2.7	2.8	2.8	3.4	2.6	2.5	2.3	4.8	3.3	2.3
Alas1	48.8	53.3	45.1	70.3	51.5	53.1	25.9	33.4	21.7	24.4	25.9	25.2
Alas2	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.1	0.7	0.4	0.1
Alcam	3.2	1.5	1.0	11.3	14.3	2.3	3.5	1.8	2.4	3.4	3.8	3.0
Aldh16a1	4.5	5.2	4.4	4.3	5.8	3.9	5.2	5.2	5.1	4.9	3.9	4.5
Aldh18a1	31.7	23.0	19.7	25.7	22.4	25.0	25.8	34.6	28.5	22.4	29.8	20.9
Aldh1a1	1447.1	1418.0	1053.5	1493.7	1015.5	1495.7	648.3	532.5	505.1	846.5	812.4	736.2
Aldh1a2	14.4	33.2	65.5	13.9	41.4	8.5	28.0	34.7	25.2	46.6	20.9	38.4
Aldh1a3	17.6	47.5	73.3	11.0	28.0	21.2	30.7	145.4	30.5	90.8	117.7	86.1
Aldh1a7	18.4	18.0	14.0	17.2	13.8	19.4	9.5	8.6	8.3	10.4	9.2	10.4
Aldh1b1	2.1	1.4	1.1	1.8	1.3	2.2	1.5	0.7	1.0	1.5	1.2	1.5
Aldh1l1	5.2	8.0	11.6	2.5	5.0	3.0	6.2	8.7	6.5	3.9	5.8	6.3
Aldh1l2	9.3	5.6	6.2	8.6	3.8	10.3	6.6	18.5	8.9	4.7	10.5	6.1
Aldh2	136.5	116.1	97.2	145.2	124.0	149.0	87.3	90.1	82.7	102.6	86.4	89.3
Aldh3a1	10.3	7.2	10.1	3.0	2.1	3.9	0.7	4.7	0.5	0.9	0.7	1.8
Aldh3a2	33.4	28.5	24.3	30.2	26.1	31.0	23.9	24.9	25.7	26.0	25.5	25.9

Online Table 1

Aldh3b1	9.1	6.8	7.2	11.9	11.1	8.9	4.9	6.6	5.5	5.9	5.5	4.9
Aldh3b2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aldh4a1	10.0	10.3	10.0	6.8	10.2	10.9	9.4	8.4	9.3	11.1	9.6	8.9
Aldh5a1	1.5	1.6	1.5	1.0	1.0	1.7	0.9	1.5	1.2	1.1	1.1	1.3
Aldh6a1	17.7	21.3	24.0	16.2	14.9	19.3	13.4	18.1	16.0	23.1	20.9	21.2
Aldh7a1	28.5	25.0	29.8	24.0	21.5	26.1	24.0	24.3	22.4	33.3	26.8	26.6
Aldh8a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aldh9a1	5.1	5.0	5.3	6.0	6.7	6.3	4.9	5.8	4.9	5.5	5.0	5.0
Aldoa	543.3	457.2	371.2	734.0	585.8	680.1	482.5	443.9	404.1	453.0	451.5	451.9
Aldoart1	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1
Aldoart2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aldob	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aldoc	0.9	0.3	0.1	1.0	2.9	0.2	0.5	0.7	0.2	0.9	0.7	0.3
Alg1	12.7	12.3	10.3	12.2	11.6	11.5	9.5	12.1	12.3	12.6	11.0	11.0
Alg10b	11.3	12.1	12.7	12.0	12.9	13.4	12.0	12.7	13.0	12.8	14.1	13.2
Alg11	7.2	8.1	7.1	7.9	7.8	7.6	8.4	7.9	8.5	8.1	8.2	8.2
Alg12	4.4	3.6	3.7	4.8	3.6	3.5	3.4	4.3	3.9	3.4	4.1	3.3
Alg13	1.4	2.1	1.6	1.3	2.5	1.7	1.8	1.5	1.5	1.4	1.7	1.2
Alg14	32.7	24.7	25.9	37.2	26.1	32.6	34.1	26.7	30.2	22.7	31.3	28.1
Alg2	6.0	6.6	6.1	6.1	6.7	6.3	5.8	6.7	6.5	7.2	6.5	6.6
Alg3	5.2	6.2	6.1	8.7	6.6	7.1	8.0	7.9	5.2	4.6	6.8	4.8
Alg5	22.2	16.4	18.4	23.6	19.6	21.0	25.0	21.9	20.8	23.4	25.0	22.7
Alg6	1.1	1.2	1.8	1.1	1.1	1.1	1.0	1.4	1.3	0.8	1.0	1.2
Alg8	3.1	3.2	3.1	4.1	4.1	2.5	3.9	3.2	3.3	3.2	3.7	2.8
Alg9	7.1	8.5	7.3	7.6	7.8	7.4	9.4	9.1	9.6	6.9	9.1	7.5
Alk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alkbh1	4.3	4.1	4.1	5.0	5.0	3.9	5.0	4.0	4.3	4.4	5.2	4.5
Alkbh2	5.0	3.5	4.1	5.4	4.9	4.2	4.5	4.4	4.9	5.7	5.4	4.8
Alkbh3	16.1	15.1	15.8	20.5	13.6	15.9	15.3	16.4	12.8	14.0	16.9	16.4
Alkbh4	1.8	1.7	1.5	1.8	1.8	1.9	2.1	1.5	2.1	2.2	1.3	1.5
Alkbh5	12.3	12.6	11.6	11.4	13.2	13.0	12.4	11.7	13.6	13.5	11.7	12.3
Alkbh6	10.8	10.3	6.9	13.1	7.5	10.9	7.0	8.2	8.0	8.9	6.7	9.2
Alkbh7	6.9	7.4	4.6	5.1	5.4	4.6	4.6	5.5	7.8	6.2	5.8	6.7
Alkbh8	4.4	3.3	4.0	3.7	3.1	4.3	2.8	3.2	3.4	4.4	3.2	4.1
Alms1	1.4	1.8	2.1	1.0	1.2	1.5	1.1	1.8	1.4	1.9	1.7	1.6
Alms1-ps2	0.4	0.7	0.7	0.3	0.5	0.6	0.4	0.7	0.5	0.7	0.6	0.6
Alox12	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Alox5	1.5	0.8	0.6	2.2	3.7	0.7	0.7	0.1	0.1	0.2	0.4	0.3
Alox5ap	5.1	0.2	0.3	34.3	66.1	0.1	5.0	1.5	1.4	3.9	1.0	1.9
Alox8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Aloxe3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Alpk1	4.7	7.0	9.7	3.3	6.3	3.7	6.6	5.9	6.1	4.7	5.5	6.4
Alpk2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alpk3	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1
Alpl	1.6	3.2	3.8	0.9	1.3	0.2	0.7	1.9	0.6	0.8	1.0	1.8
Als2	5.3	5.4	4.6	4.7	4.9	4.9	5.0	5.2	4.8	4.0	5.0	4.5
Als2cl	1.3	0.9	0.8	1.1	1.0	0.8	0.9	0.9	0.7	0.4	0.4	0.5
Als2cr12	0.2	0.1	0.1	0.1	0.2	0.1	0.3	0.0	0.1	0.2	0.2	0.1
Alx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0
Alx3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Alx4	0.3	0.4	0.4	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.2
Alyref	30.6	26.8	30.9	30.9	33.2	28.7	39.0	33.4	33.2	32.0	33.8	33.2
Alyref2	0.9	0.8	1.4	1.3	1.4	0.7	1.4	1.5	1.3	1.8	2.2	1.6
Amacr	4.5	4.4	3.4	3.3	3.9	4.0	3.9	4.6	4.8	4.2	4.3	4.4
Ambp	0.1	0.0	0.0	0.2	0.6	0.0	0.1	0.0	0.1	0.2	0.1	0.0
Ambra1	4.4	4.9	4.8	4.1	4.7	4.7	5.3	5.4	4.9	4.6	4.4	4.6
Amd1	0.0	0.0	0.0	5.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Amd2	20.4	19.1	18.1	14.1	19.3	21.0	18.2	20.4	19.0	21.2	20.9	17.5
Amdhd1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amdhd2	10.2	9.4	8.9	9.5	10.0	11.9	7.8	10.0	8.7	8.0	6.9	8.7
Amer1	2.0	2.5	2.6	1.5	1.4	1.8	1.9	2.7	2.4	2.4	2.6	2.4
Amfr	70.4	62.1	48.7	67.8	58.5	72.2	65.2	55.6	65.9	64.8	64.8	61.9
Amh	0.1	0.1	0.0	0.0	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.1
Amhr2	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.2	0.0	0.1
Amica1	0.2	0.1	0.1	0.2	0.3	0.3	0.0	0.0	0.0	0.1	0.0	0.0
Amigo1	1.4	1.6	1.6	1.8	1.3	2.5	1.8	1.1	1.6	1.1	1.3	1.4
Amigo2	0.5	0.4	0.2	0.7	0.4	0.8	0.4	0.5	0.4	1.3	0.5	0.5
Amigo3	0.8	0.9	0.8	0.7	1.0	0.6	0.9	1.0	1.0	1.0	0.7	0.8
Ammecr1	3.1	2.9	3.0	3.1	3.9	2.3	4.2	4.0	3.9	5.2	5.3	5.3
Ammecr1l	6.2	6.4	6.0	6.3	6.8	5.9	6.4	6.4	6.5	7.0	6.4	6.3
Amn	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Amn1	8.5	8.2	6.6	7.3	6.9	7.0	6.9	6.1	9.7	9.4	8.6	9.5
Amot	3.4	2.6	1.8	4.2	2.4	4.0	1.9	1.4	1.2	2.5	2.5	1.5
Amotl1	31.0	24.7	19.6	36.9	23.1	34.9	23.4	16.6	19.3	22.9	24.5	22.1
Amotl2	65.8	87.2	95.8	69.7	67.8	79.3	98.7	104.4	103.8	106.0	86.8	89.7
Ampd1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ampd2	9.1	9.8	9.2	7.7	10.6	9.8	9.3	8.6	9.2	9.0	8.6	8.7
Ampd3	8.9	8.3	5.3	18.1	12.8	17.9	6.2	4.2	3.4	3.4	3.3	3.0
Amph	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amt	0.9	0.8	0.9	0.8	0.6	1.1	0.6	1.3	0.9	0.4	0.5	0.4
Amy1	0.8	0.3	0.5	0.4	0.2	0.3	0.4	0.4	0.1	0.1	0.3	0.2
Amy2a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amy2a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amz1	0.6	0.3	0.1	1.8	1.9	0.9	0.4	0.1	0.2	0.3	0.4	0.2
Amz2	12.7	12.6	10.8	11.4	9.9	14.5	9.9	12.2	11.4	10.3	11.4	11.0
Anapc1	20.2	20.0	18.4	18.3	18.2	19.9	18.0	18.7	17.5	21.7	20.8	17.9
Anapc10	6.3	6.1	6.9	6.6	5.4	5.5	6.4	5.8	5.0	5.5	6.7	7.3
Anapc11	6.1	6.5	4.5	6.7	6.7	7.7	5.4	5.6	6.4	7.0	5.7	6.3
Anapc13	63.2	65.8	69.0	71.4	54.8	72.8	64.5	69.7	61.6	72.2	85.7	87.1
Anapc15	20.3	19.8	15.9	28.0	19.0	20.4	20.9	16.6	16.4	19.3	21.7	20.9
Anapc16	31.1	20.7	18.8	31.9	23.5	28.8	25.2	23.4	24.8	25.5	25.8	24.6
Anapc2	19.5	21.3	21.2	18.5	22.9	20.0	20.3	21.8	18.6	19.6	19.1	20.2
Anapc4	36.2	31.9	30.6	32.6	31.1	33.9	31.1	32.2	31.8	32.8	33.9	34.4
Anapc5	75.7	68.6	66.5	69.8	61.7	70.2	68.5	73.8	72.5	54.9	70.4	62.8
Anapc7	11.4	11.3	11.8	10.9	11.3	11.2	11.0	11.2	10.9	10.3	10.1	11.4
Ang	9.9	10.2	11.9	10.1	11.5	8.1	12.4	14.2	11.0	8.8	12.3	8.8
Ang2	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.4	0.2	0.2	0.2	0.3
Angel1	0.6	0.9	0.8	0.5	0.6	0.6	0.7	0.8	0.6	0.6	0.5	0.8
Angel2	11.5	11.9	10.9	8.9	9.5	9.6	10.4	11.6	10.7	10.9	11.9	10.6
Angpt1	0.4	0.8	1.4	0.4	0.7	0.3	1.2	1.5	1.3	1.8	0.8	1.9
Angpt2	5.9	2.0	3.0	1.8	0.7	1.0	2.9	4.6	4.1	1.7	1.2	2.9
Angpt4	10.0	9.2	8.6	14.6	11.2	17.3	7.0	5.7	7.0	7.3	4.9	9.2
Angptl1	1.6	1.7	1.8	2.8	1.4	0.8	2.3	1.9	1.6	2.8	5.9	1.2
Angptl2	25.1	21.3	22.6	29.6	38.8	38.0	27.4	29.0	17.7	20.8	21.8	19.2
Angptl3	0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Angptl4	16.2	5.6	8.8	18.6	27.4	5.7	13.6	30.3	11.0	40.2	10.6	22.8
Angptl6	2.1	0.9	0.7	2.1	0.6	2.5	0.7	1.2	1.0	0.8	1.4	0.9
Angptl7	9.4	4.5	12.7	1.7	0.9	0.7	2.0	6.5	5.0	84.8	24.8	18.7
Ank	14.3	12.4	10.4	15.4	12.9	17.5	13.2	9.8	11.0	12.3	12.8	11.1
Ank1	0.5	0.3	0.3	0.6	0.3	0.7	0.3	0.2	0.2	0.4	0.3	0.3
Ank2	11.4	9.4	10.4	10.3	7.5	10.1	8.1	9.6	6.4	4.6	7.2	5.5
Ank3	0.6	0.4	0.4	0.5	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.3
Ankar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankdd1b	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.4	0.3	0.4	0.5	0.5

Online Table 1

Ankef1	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2
Ankfy1	16.9	16.1	14.9	17.5	17.2	16.2	13.9	13.4	13.7	13.5	14.7	14.7
Ankhd1	6.0	5.9	6.5	6.8	6.2	6.1	6.4	6.9	5.4	5.1	6.7	6.8
Ankib1	31.2	34.3	29.9	31.2	25.9	33.2	29.5	25.9	34.8	26.8	33.1	36.5
Ankk1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankle1	0.4	1.0	1.5	0.1	1.3	0.2	1.9	0.6	1.6	0.5	0.7	0.4
Ankle2	10.2	10.8	10.8	10.0	9.6	11.4	10.9	10.0	9.9	10.3	11.1	11.0
Ankmy1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Ankmy2	9.9	9.3	9.4	7.7	6.5	8.7	8.6	9.7	8.4	8.5	9.3	9.7
Ankra2	10.5	11.5	9.3	12.8	9.2	11.2	11.0	9.4	9.3	8.5	10.1	9.9
Ankrd1	517.7	346.6	184.2	1121.4	436.2	684.2	466.8	100.5	195.5	313.9	381.7	266.6
Ankrd10	3.6	4.1	3.9	4.1	5.1	4.3	4.4	5.1	5.8	6.3	6.1	4.4
Ankrd11	17.3	20.4	22.3	20.6	18.3	16.9	26.5	20.6	19.8	16.6	22.8	22.0
Ankrd12	7.4	8.4	9.5	10.2	7.7	9.2	9.0	7.3	6.7	8.5	10.3	11.2
Ankrd13a	29.4	26.7	25.4	33.4	31.8	29.5	32.2	23.8	28.4	25.7	29.7	29.9
Ankrd13b	1.6	1.9	1.9	2.3	1.9	2.1	2.1	1.7	1.9	1.5	1.6	1.4
Ankrd13c	20.8	19.2	17.6	21.5	18.5	19.7	18.1	16.4	15.9	18.6	20.8	19.0
Ankrd13d	2.4	2.1	1.8	1.7	1.9	3.0	1.6	0.7	1.2	1.8	1.4	1.6
Ankrd16	2.4	2.5	2.1	3.1	2.7	2.4	2.7	2.5	2.7	2.7	2.1	2.1
Ankrd17	13.6	14.4	15.8	14.2	14.2	13.2	16.2	15.9	12.9	13.0	15.3	15.0
Ankrd2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ankrd23	0.8	1.1	0.9	0.8	0.7	1.0	0.9	1.1	1.0	0.8	0.9	0.7
Ankrd24	0.9	1.2	1.0	1.1	0.8	1.4	0.9	1.0	0.8	0.6	0.8	0.9
Ankrd26	3.1	3.6	3.8	3.1	3.1	2.9	3.5	2.7	2.7	3.3	4.0	3.6
Ankrd27	18.2	16.9	14.9	19.1	14.5	17.8	16.4	15.2	15.8	12.5	17.9	14.9
Ankrd28	12.1	10.6	10.0	13.1	12.2	14.5	7.9	6.6	6.7	9.2	7.5	8.8
Ankrd29	0.9	1.1	1.1	0.9	0.9	1.2	1.0	0.8	0.7	0.9	1.3	0.9
Ankrd32	2.5	3.5	3.5	2.4	3.0	2.6	2.7	2.6	3.0	3.3	3.5	3.8
Ankrd33	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ankrd33b	0.0	0.1	0.0	0.1	0.3	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Ankrd34a	0.2	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.6	0.3	0.4
Ankrd34c	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankrd35	0.3	0.4	0.6	0.1	0.1	0.2	0.2	0.4	0.2	0.3	0.2	0.4
Ankrd37	0.6	0.6	0.5	1.0	0.9	1.3	0.8	0.9	1.2	1.0	1.6	1.3
Ankrd39	3.3	3.2	2.8	2.3	2.7	3.1	3.4	2.4	3.5	2.8	2.3	2.7
Ankrd40	30.3	31.4	35.9	47.2	30.6	34.1	36.3	31.1	28.9	25.6	30.5	34.8
Ankrd42	5.1	5.0	4.7	5.6	3.8	6.5	4.9	3.8	4.2	4.3	5.3	5.5
Ankrd44	2.9	4.0	4.8	2.5	4.3	2.7	3.1	3.2	3.6	3.9	4.5	3.8
Ankrd46	21.6	19.5	17.9	18.7	15.5	20.6	17.2	17.5	17.3	18.5	18.9	19.0
Ankrd49	6.1	5.6	5.9	6.6	6.3	5.3	6.3	6.7	5.9	5.9	7.2	6.4
Ankrd50	8.9	9.7	8.9	7.0	10.3	7.0	10.3	9.4	10.3	11.3	9.6	9.5
Ankrd52	4.8	4.8	4.4	4.8	5.3	4.6	5.4	5.2	4.9	4.4	4.7	4.2
Ankrd53	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ankrd54	7.5	9.2	8.8	6.9	7.6	7.0	8.0	8.4	8.1	7.3	7.7	8.1
Ankrd55	2.9	4.8	8.6	2.0	3.1	2.4	2.5	5.6	4.5	0.9	1.6	3.7
Ankrd6	0.7	1.0	0.8	0.7	1.1	1.4	0.7	0.8	0.6	0.4	0.4	0.6
Ankrd61	0.0	0.1	0.2	0.0	0.1	0.3	0.1	0.1	0.1	0.1	0.3	0.1
Ankrd9	1.5	1.5	1.2	1.8	1.3	1.4	1.4	1.7	1.3	0.9	1.3	0.8
Anks1	3.8	4.4	4.2	3.4	3.6	3.4	3.8	4.0	4.2	4.1	3.6	3.4
Anks1b	1.3	1.3	1.2	0.6	1.0	0.7	1.0	0.4	0.6	0.5	0.6	0.5
Anks3	11.1	9.9	9.1	12.2	9.7	12.0	11.6	11.0	12.1	10.4	11.3	11.7
Anks6	0.9	1.3	1.3	1.3	1.3	1.3	1.6	1.4	1.3	1.8	1.2	1.1
Ankzf1	5.9	8.2	7.1	5.5	6.4	7.1	6.3	6.8	6.9	5.4	5.9	6.1
Anln	4.9	7.9	11.3	1.7	10.4	1.6	14.0	4.7	10.2	6.4	11.0	7.0
Ano1	1.5	0.4	0.4	0.2	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.4
Ano10	34.9	29.9	25.1	33.8	28.8	33.0	32.7	27.1	29.0	32.1	34.0	31.2
Ano2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Ano3	9.2	7.4	6.9	6.4	7.2	8.8	6.5	4.6	5.3	7.1	8.4	7.2
Ano4	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1
Ano5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ano6	24.6	24.1	24.4	23.8	25.1	21.9	29.1	24.7	25.6	30.0	30.8	28.5
Ano7	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0
Ano8	4.4	3.6	3.7	4.0	3.7	3.9	5.0	4.4	4.9	3.9	3.4	3.8
Anp32a	20.8	19.4	29.4	26.5	22.6	26.1	25.6	30.0	20.9	29.4	31.1	34.6
Anp32b	42.0	38.4	56.3	53.5	41.7	45.5	48.6	48.1	29.5	32.5	41.3	46.2
Anp32e	7.8	7.4	9.9	11.4	8.6	9.5	10.1	8.0	7.2	9.1	11.0	9.8
Anpep	0.7	1.0	1.6	5.0	4.1	1.1	0.6	1.3	0.7	0.7	0.5	0.7
Antxr1	12.7	16.1	22.1	13.5	14.7	14.2	16.3	22.8	21.7	21.2	17.7	22.5
Antxr2	13.3	13.3	13.2	16.1	15.9	14.3	13.0	17.1	15.1	15.0	14.3	13.6
Anxa1	1974.6	1389.0	806.6	1704.8	1127.8	1410.6	1164.1	524.6	999.2	1147.7	1342.4	1245.7
Anxa11	7.2	8.0	8.7	8.7	8.4	7.4	7.4	7.1	7.9	7.5	7.3	7.2
Anxa2	658.1	505.7	438.0	640.3	568.8	526.2	651.6	641.0	540.8	640.3	680.3	517.8
Anxa3	337.6	258.0	178.4	302.8	205.2	316.4	199.4	151.9	200.6	218.1	240.3	194.7
Anxa4	37.1	36.3	40.4	52.2	49.1	40.9	30.8	47.0	33.0	32.6	37.2	41.4
Anxa5	374.2	210.2	159.5	373.3	252.7	345.1	192.2	175.3	164.2	217.0	257.9	268.9
Anxa6	94.4	96.0	90.9	103.9	97.4	92.6	105.4	87.5	108.7	96.1	110.3	101.0
Anxa7	59.3	54.9	60.3	69.5	57.5	58.7	64.9	64.4	56.3	54.2	60.7	63.3
Anxa8	27.6	15.5	15.5	10.4	11.7	6.7	11.5	19.2	8.0	10.1	14.5	13.9
Anxa9	0.6	0.6	0.5	0.9	0.6	1.0	0.4	0.9	0.5	0.8	0.4	0.5
Aoah	0.4	0.0	0.0	2.3	4.1	0.0	0.6	0.0	0.1	0.3	0.1	0.2
Aoc2	0.3	0.4	0.2	0.5	0.4	0.5	0.3	0.3	0.2	0.3	0.2	0.3
Aoc3	0.1	0.4	0.8	0.1	0.4	0.0	0.4	0.9	1.1	0.9	0.9	0.5
Aox1	20.3	18.9	10.3	29.8	19.1	29.4	5.6	5.1	3.9	11.5	7.4	6.1
Aox3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.3	0.1
Aox3l1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aox4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ap1ar	15.0	15.5	16.7	16.4	14.2	15.5	15.6	14.8	14.1	15.3	16.5	16.1
Ap1b1	17.5	15.4	13.3	17.9	18.7	16.4	14.6	15.6	13.9	15.5	14.8	14.7
Ap1g1	12.9	14.0	12.5	14.4	13.5	13.8	12.3	12.2	12.0	13.2	13.3	12.3
Ap1g2	2.4	3.5	2.8	3.1	3.0	2.6	2.2	2.6	2.7	1.8	2.7	2.2
Ap1m1	10.6	9.7	8.8	10.3	11.5	8.6	11.1	11.2	11.4	10.9	9.8	10.4
Ap1m2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ap1s1	38.4	40.4	31.8	43.8	45.9	37.3	41.5	42.6	42.4	42.3	40.9	33.1
Ap1s2	2.7	2.9	3.6	6.4	8.4	3.3	3.6	3.2	4.0	3.4	4.0	3.5
Ap1s3	1.2	1.4	1.3	1.2	1.4	1.1	1.1	1.0	1.1	0.9	0.9	0.9
Ap2a1	20.8	21.5	19.7	21.4	20.4	23.6	22.8	22.3	21.5	19.4	20.5	17.7
Ap2a2	75.4	75.4	57.7	59.9	56.7	56.6	78.8	75.9	97.8	71.8	85.3	81.0
Ap2b1	40.9	39.0	38.4	39.7	40.7	37.8	37.4	40.4	36.8	34.7	38.6	38.2
Ap2m1	98.7	89.1	88.4	104.3	87.9	95.8	95.3	101.8	95.7	85.2	95.4	94.6
Ap2s1	84.2	70.9	67.4	80.9	88.5	73.1	73.8	84.4	79.5	94.5	74.4	79.2
Ap3b1	28.1	25.3	27.2	30.9	26.4	29.8	25.6	25.9	22.8	24.7	30.7	31.2
Ap3b2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ap3d1	39.0	36.7	34.1	45.7	36.9	37.6	44.4	38.9	36.2	35.4	41.4	41.5
Ap3m1	20.1	17.7	16.8	18.9	18.1	18.8	16.8	20.6	17.2	18.0	21.1	19.2
Ap3m2	9.7	7.7	7.4	11.5	7.9	12.3	8.4	6.2	6.2	6.4	7.5	8.5
Ap3s1	56.0	58.1	72.5	72.4	54.9	71.9	63.8	52.9	62.7	61.5	75.3	80.6
Ap3s2	4.4	3.7	3.2	4.3	3.6	3.6	2.9	3.8	3.3	3.9	3.7	3.1
Ap4b1	11.3	11.0	9.0	8.9	9.3	9.8	9.8	10.1	11.1	12.0	10.7	10.8
Ap4e1	2.8	3.8	3.5	2.8	3.4	2.8	2.9	3.1	3.8	3.3	3.4	3.2
Ap4m1	5.1	4.9	5.3	3.2	4.8	4.0	4.6	4.8	4.9	4.3	5.2	4.9
Ap4s1	6.7	6.4	5.5	6.5	7.4	6.8	5.0	5.9	7.7	6.7	6.7	6.5
Ap5b1	1.4	1.3	1.1	1.8	2.9	1.2	1.1	1.5	1.3	1.4	1.1	1.3
Ap5m1	3.8	3.8	4.4	3.9	4.3	3.7	3.3	3.7	4.3	4.1	3.8	4.4
Ap5s1	3.0	4.4	4.3	3.8	3.5	4.4	3.1	3.6	2.9	2.7	2.5	2.9

Online Table 1

Ap5z1	3.9	3.4	3.0	4.3	3.9	3.8	3.2	3.4	3.5	3.9	2.9	3.2
Apaf1	9.4	10.4	9.1	8.0	10.0	7.4	8.2	9.0	10.4	9.2	9.1	8.5
Apba1	1.9	3.1	4.4	1.9	2.8	1.9	3.9	3.9	3.1	2.0	2.5	3.0
Apba2	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.7	0.4	0.4
Apba3	19.7	21.7	17.0	16.8	17.5	19.1	16.6	17.3	20.1	20.1	17.3	16.9
Apbb1	12.5	12.4	12.0	11.4	7.9	14.3	10.1	9.4	10.0	8.6	9.5	10.3
Apbb1ip	2.3	3.7	4.5	3.7	4.1	2.6	3.2	2.5	1.8	2.4	1.7	2.2
Apbb2	14.9	17.6	17.4	19.8	19.2	19.4	22.0	16.8	18.3	19.1	20.5	19.6
Apbb3	2.0	2.2	2.5	2.0	2.0	1.7	2.1	2.8	2.9	2.2	2.0	2.0
Apc	12.4	11.6	9.5	15.3	10.4	12.7	11.0	8.5	8.8	8.7	11.2	9.9
Apc2	1.2	1.5	1.2	1.4	1.2	1.6	1.0	0.7	0.9	0.9	0.8	0.6
Apcdd1	2.6	2.8	6.4	1.7	2.4	1.2	2.4	4.1	2.3	2.3	1.7	2.7
Apeh	14.1	16.4	13.8	12.8	15.2	15.2	16.0	16.7	16.6	17.5	16.1	16.1
Apex1	14.6	11.2	13.3	17.7	11.2	15.3	15.8	14.1	10.4	13.6	16.4	14.9
Apex2	1.6	1.4	1.8	1.5	1.8	1.7	2.1	1.9	1.4	1.9	1.7	1.4
Aph1a	20.0	18.2	16.5	16.8	20.2	16.4	19.7	20.7	22.0	20.5	18.2	18.2
Aph1b	4.9	5.9	5.5	4.4	4.9	4.9	5.6	6.3	7.9	5.4	6.7	6.1
Aph1c	0.4	0.8	0.6	1.1	0.8	0.4	0.5	0.5	0.7	0.6	0.4	0.5
Api5	21.8	23.4	22.6	22.3	23.8	22.3	24.1	23.9	23.2	24.6	24.7	24.3
Apip	18.3	18.0	19.7	18.6	16.0	16.4	16.5	19.2	17.9	18.4	19.5	20.2
Apitd1	0.7	1.6	1.6	1.6	1.5	0.8	2.2	1.3	1.7	0.8	0.9	0.6
Apif	2.5	3.0	3.5	1.6	2.0	2.1	2.7	2.6	2.0	2.2	2.4	2.4
Apln	7.7	2.4	5.8	1.6	1.1	0.7	5.5	11.6	6.9	1.0	1.0	1.0
Aplnr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aplp1	43.9	39.3	25.0	33.7	25.4	44.6	39.7	20.3	26.2	44.6	36.7	34.8
Aplp2	124.7	110.5	134.5	125.7	131.4	126.9	124.3	114.1	109.1	107.4	111.1	115.8
Apmap	13.7	12.7	10.7	14.8	12.1	13.5	9.3	8.7	10.7	11.2	10.3	11.0
Apoa1bp	61.5	60.3	57.3	58.7	47.1	66.7	53.6	57.7	51.8	46.9	55.8	51.6
Apoa2	0.6	0.6	0.5	2.1	1.3	1.4	1.2	0.7	0.8	0.2	0.7	0.9
Apoa5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apob	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apobec1	4.8	3.3	4.9	8.7	11.0	2.8	4.0	3.6	2.7	2.9	2.4	4.3
Apobec2	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.0
Apobec3	2.3	4.1	4.8	2.6	4.4	2.4	4.1	4.5	3.4	2.6	2.2	3.3
Apobr	7.6	3.7	3.8	10.3	9.4	5.6	8.6	11.0	5.3	2.8	6.2	5.3
Apoc1	0.2	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.0	0.3
Apoc2	0.2	0.0	0.0	1.0	1.4	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Apod	3.3	3.2	6.6	4.5	4.1	2.0	2.4	3.2	1.2	1.1	1.5	1.8
Apoe	42.8	55.5	187.1	53.0	31.3	11.8	12.3	44.3	20.8	31.5	18.5	35.2
Apof	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Apoh	0.8	0.7	0.4	0.6	0.6	0.8	0.1	0.3	0.4	0.3	0.4	0.6
Apol10b	0.4	0.3	0.7	0.9	0.7	0.4	0.4	0.3	0.3	0.3	0.4	0.1
Apol11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apol6	2.7	4.5	5.8	1.1	2.8	0.8	2.7	5.8	3.1	2.3	4.0	3.6
Apol7a	0.3	0.3	0.3	0.4	0.3	0.4	0.5	0.3	0.3	0.4	0.4	0.3
Apol7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apol7c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apol7d	0.2	0.1	0.3	0.3	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.3
Apol7e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apol8	0.1	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Apol9a	4.5	1.8	1.9	6.4	2.8	2.7	4.3	0.8	2.1	2.2	1.7	4.0
Apol9b	3.7	1.5	1.5	5.5	2.4	2.9	3.0	0.7	1.5	1.9	1.7	3.7
Apold1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Apom	0.3	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Apoo	9.0	14.4	14.6	14.7	15.7	15.6	11.5	10.7	13.0	17.8	15.4	17.1
Apool	11.2	10.0	9.7	9.2	10.2	9.3	8.0	10.5	10.0	9.8	10.9	9.1
Apoo-ps	11.6	2.8	0.0	1.2	0.0	0.2	0.0	0.0	2.2	0.0	0.0	0.2

Online Table 1

Apopt1	15.0	12.6	14.9	19.0	11.0	15.2	13.2	15.9	12.8	12.6	14.6	15.5
App	312.6	263.5	284.8	259.4	292.1	259.1	272.2	284.1	253.9	289.6	266.7	270.7
Appbp2	14.5	16.0	13.9	13.3	14.9	12.3	14.5	15.6	16.2	16.9	15.7	14.3
Appl1	6.9	7.5	7.6	7.7	7.3	8.0	7.1	6.6	6.7	6.9	7.8	8.5
Appl2	9.5	9.0	10.8	9.7	10.2	10.9	7.5	9.0	8.0	7.9	7.6	9.6
Aprt	46.2	39.4	36.2	48.6	48.5	46.3	38.1	39.7	38.6	55.6	44.9	39.3
Apix	4.3	3.5	3.5	4.4	3.2	4.0	3.6	3.1	3.2	3.1	3.5	3.6
Aqp1	1.3	0.1	0.2	0.7	0.5	0.3	0.8	0.4	0.3	0.9	0.8	0.5
Aqp11	0.2	0.2	0.1	0.5	0.3	0.4	0.2	0.2	0.1	0.3	0.3	0.1
Aqp2	0.3	0.1	0.4	0.0	0.0	0.0	0.1	0.5	0.4	0.4	0.2	0.5
Aqp3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aqp4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aqp5	0.3	0.0	0.0	0.2	0.1	0.0	0.1	0.4	0.3	2.6	0.8	0.9
Aqp7	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Aqp9	0.2	0.1	0.0	0.2	0.7	0.0	0.3	0.0	0.0	0.0	0.0	0.1
Aqr	12.8	11.9	13.7	13.6	12.2	12.6	12.4	13.0	10.8	11.6	12.0	11.8
Ar	1.3	2.1	2.2	1.6	1.6	2.1	1.5	1.7	1.2	1.1	1.7	1.1
Araf	42.7	43.8	37.9	43.9	36.8	44.5	40.7	30.9	39.1	39.4	43.2	40.7
Arap1	13.3	16.9	16.7	13.5	17.3	13.1	20.8	29.9	24.4	12.5	16.6	15.1
Arap2	6.2	5.7	5.7	4.5	5.3	4.2	4.0	2.8	3.5	7.6	5.5	6.2
Arap3	0.7	0.4	0.6	2.4	4.9	0.2	0.8	0.5	0.6	0.6	0.3	0.2
Arc	0.2	0.4	0.2	0.1	0.3	0.2	0.1	0.1	0.3	2.7	0.5	0.5
Arcn1	78.6	75.5	73.1	73.7	68.8	70.8	76.7	77.6	72.0	74.1	82.4	82.5
Areg	0.1	0.0	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.1	0.0	0.2
Arf1	142.0	144.4	129.2	157.5	148.9	141.0	149.5	155.4	148.1	151.4	165.3	152.3
Arf2	12.6	9.8	11.8	12.8	12.9	9.9	15.1	16.7	17.3	14.2	15.6	12.8
Arf3	19.8	17.4	16.6	21.5	20.1	17.8	18.6	17.4	16.8	20.5	18.7	16.9
Arf4	109.7	113.1	102.9	124.8	123.2	119.6	121.1	118.1	124.3	130.3	139.0	128.1
Arf5	36.6	36.1	36.4	34.5	38.0	27.6	35.7	49.4	46.8	42.8	36.3	38.8
Arf6	21.5	19.9	24.7	26.2	29.7	23.5	22.4	26.6	22.3	25.3	24.1	25.2
Arfgap1	18.8	18.2	17.7	16.5	16.5	17.1	19.3	21.7	20.0	22.4	21.1	18.6
Arfgap2	10.5	13.0	10.9	9.2	10.5	10.0	11.5	12.1	11.5	11.3	9.9	11.1
Arfgap3	28.2	26.5	26.9	32.1	26.3	32.8	31.7	28.9	26.3	22.0	28.4	28.8
Arfgef1	8.8	11.0	9.0	9.0	8.8	9.0	8.2	7.6	8.4	8.7	9.4	8.9
Arfgef2	11.7	13.4	12.8	11.5	11.9	11.4	13.2	11.1	12.5	11.6	11.4	13.7
Arfip1	42.0	38.7	36.9	52.1	38.3	47.6	40.7	34.6	37.3	40.7	47.5	45.5
Arfip2	14.8	12.4	10.4	17.9	12.4	17.3	13.2	13.0	11.4	12.7	14.8	11.3
Arfrp1	6.4	5.6	4.0	6.3	5.4	5.9	5.0	3.9	5.4	6.0	5.8	5.5
Arg1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Arg2	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.1	0.1	0.3	0.2	0.1
Arglu1	22.2	20.2	26.2	24.6	19.7	19.2	23.1	24.7	21.8	21.4	24.7	25.6
Arhgap1	28.2	25.7	24.3	31.8	27.8	27.0	33.1	29.7	31.7	37.6	35.4	31.2
Arhgap10	17.1	17.2	16.3	16.8	13.8	22.0	13.8	11.9	11.0	14.5	16.9	15.9
Arhgap11a	3.3	4.4	5.7	2.4	7.6	2.7	6.4	2.2	4.6	3.3	4.2	3.6
Arhgap12	8.0	7.9	8.0	7.5	7.3	7.1	7.2	6.7	7.4	7.8	8.3	8.4
Arhgap15	0.1	0.1	0.1	0.2	0.7	0.0	0.2	0.0	0.1	0.1	0.1	0.0
Arhgap17	3.7	3.0	2.9	3.6	4.4	3.2	4.0	3.7	3.7	3.6	3.2	2.9
Arhgap18	1.7	1.3	1.4	3.0	3.3	0.6	1.3	0.8	0.9	2.2	1.3	1.3
Arhgap19	0.4	0.4	0.6	0.7	0.8	0.1	0.6	0.4	0.6	0.4	0.6	0.5
Arhgap20	2.6	3.7	2.5	2.4	3.3	2.0	3.6	1.5	3.0	1.7	2.7	2.0
Arhgap21	13.4	15.5	15.1	13.8	10.5	12.9	11.6	12.8	11.4	9.4	13.0	11.1
Arhgap22	1.0	0.3	0.3	2.9	4.5	1.2	0.7	0.1	0.3	0.6	0.3	0.4
Arhgap23	7.7	10.2	10.7	7.3	9.3	6.2	13.8	12.2	14.8	10.8	11.8	10.2
Arhgap24	21.3	24.8	25.8	30.0	20.4	17.1	21.6	18.0	20.3	16.6	19.2	21.3
Arhgap25	0.3	0.0	0.0	3.3	3.5	0.0	0.5	0.2	0.1	0.3	0.0	0.2
Arhgap26	0.4	0.4	0.3	0.5	0.5	0.5	0.3	0.3	0.2	0.3	0.2	0.2
Arhgap27	2.2	2.2	2.2	3.4	4.6	3.2	2.5	1.5	1.8	1.7	1.7	1.5

Online Table 1

Arhgap28	1.6	1.3	1.2	2.1	1.6	2.1	1.6	1.4	0.9	1.4	1.3	0.7
Arhgap29	23.2	21.7	24.5	17.6	16.8	16.9	22.3	28.0	26.1	38.1	36.8	31.4
Arhgap30	0.6	0.0	0.1	5.8	9.3	0.0	1.0	0.1	0.1	0.6	0.1	0.7
Arhgap31	7.0	8.2	8.3	8.2	7.8	9.7	9.8	8.7	8.1	5.6	7.2	7.3
Arhgap32	1.7	2.5	2.6	1.8	2.1	1.8	2.7	2.1	2.4	2.5	2.2	1.8
Arhgap33	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Arhgap39	1.5	1.5	1.4	1.8	1.7	1.7	1.5	1.3	1.4	1.6	1.3	1.4
Arhgap4	0.3	0.1	0.1	2.0	4.3	0.2	0.7	0.1	0.3	0.2	0.2	0.4
Arhgap42	2.0	4.0	4.7	2.1	2.8	1.9	2.6	2.9	3.0	2.5	3.1	3.2
Arhgap44	5.4	5.1	4.1	5.4	3.2	6.4	3.9	3.4	3.5	5.4	4.7	3.6
Arhgap5	23.5	28.0	26.5	26.2	25.4	22.5	24.8	30.4	31.1	26.0	30.5	32.2
Arhgap6	3.5	5.8	5.7	3.1	3.0	3.6	3.3	3.0	3.7	2.6	3.2	4.7
Arhgap8	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1
Arhgap9	0.5	0.1	0.1	2.9	4.9	0.1	0.6	0.1	0.2	0.2	0.4	0.3
Arhgdia	85.7	79.7	70.3	118.6	98.3	95.2	104.9	102.0	87.5	79.8	91.5	79.0
Arhgdib	37.6	18.6	17.7	75.9	86.7	41.5	28.9	15.4	13.5	42.8	29.9	24.0
Arhgdig	3.3	2.4	1.2	5.6	2.4	4.5	3.4	1.6	2.1	3.4	2.4	2.5
Arhgef1	11.2	14.1	13.3	13.4	15.2	10.9	13.0	11.8	12.0	11.8	10.6	10.4
Arhgef10	14.2	12.3	12.1	14.3	12.4	13.5	14.5	14.9	13.7	11.1	13.7	12.5
Arhgef10l	5.4	5.6	5.6	4.9	5.1	6.3	5.4	5.6	6.7	5.5	5.0	6.1
Arhgef11	8.9	8.7	8.2	8.6	8.2	8.8	8.6	7.2	8.0	6.6	7.1	6.8
Arhgef12	22.5	24.6	23.5	23.6	19.8	23.2	21.8	21.7	22.8	21.3	21.6	23.0
Arhgef15	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Arhgef16	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Arhgef17	11.9	13.0	12.8	11.2	10.8	13.1	13.8	10.6	12.8	12.8	12.2	11.8
Arhgef18	13.8	16.0	13.0	10.9	10.7	13.7	12.3	10.5	13.2	11.5	12.5	11.8
Arhgef19	1.7	2.0	2.0	1.2	2.3	1.4	2.1	3.0	2.4	1.9	1.8	2.1
Arhgef2	34.0	25.0	22.6	37.3	27.8	35.9	29.0	38.2	32.5	23.8	31.0	23.5
Arhgef25	31.7	35.6	34.3	26.3	26.5	29.2	32.3	36.0	39.3	31.7	33.1	30.2
Arhgef26	0.6	1.2	1.2	0.6	1.2	0.3	1.7	1.7	1.6	1.5	1.3	1.4
Arhgef28	5.7	5.6	6.1	5.2	4.8	4.9	3.6	4.8	2.7	4.2	4.4	3.5
Arhgef3	5.9	6.5	7.5	5.7	6.7	4.5	4.0	5.1	3.1	3.9	4.2	5.1
Arhgef33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Arhgef37	0.6	0.3	0.2	0.8	0.1	1.1	0.1	0.1	0.1	0.2	0.2	0.1
Arhgef39	0.3	0.9	0.7	0.4	0.7	0.3	1.6	0.5	1.0	0.5	0.8	0.4
Arhgef4	1.5	1.5	1.3	1.5	1.3	1.9	1.3	0.8	0.7	0.9	1.1	1.0
Arhgef40	13.0	17.7	21.4	14.1	18.2	15.4	22.7	23.8	22.6	18.2	16.3	18.2
Arhgef5	17.7	12.7	11.3	14.3	9.4	14.7	11.2	8.5	8.6	16.3	15.0	14.3
Arhgef6	9.9	9.0	10.2	12.6	13.1	10.8	7.1	6.8	5.4	4.3	5.2	6.3
Arhgef7	6.5	7.6	7.9	7.9	11.1	6.2	8.3	8.6	8.4	8.2	7.9	8.5
Arhgef9	1.3	1.4	2.0	1.2	0.9	1.6	0.9	1.2	0.9	0.9	1.2	1.4
Arid1a	1.5	1.9	2.1	1.6	1.9	1.5	2.3	1.9	1.9	1.8	1.7	1.6
Arid1b	4.1	5.2	5.1	4.8	4.3	4.5	5.3	4.9	4.7	4.4	4.6	4.6
Arid2	3.2	4.1	3.8	3.2	3.5	3.3	3.7	4.1	3.9	4.0	4.2	3.6
Arid3a	0.6	0.7	0.5	0.7	1.1	0.5	1.2	0.6	1.0	1.3	0.8	0.9
Arid3b	0.2	0.2	0.3	0.3	0.5	0.2	0.3	0.1	0.2	0.2	0.2	0.2
Arid4a	9.0	8.5	9.8	12.8	9.8	9.6	10.5	6.7	7.1	8.3	11.3	11.1
Arid4b	8.8	9.7	11.3	9.8	8.3	8.6	8.2	9.4	8.3	10.9	10.6	11.5
Arid5a	1.8	2.3	2.9	1.1	2.3	0.8	2.0	1.9	1.6	2.1	1.7	2.0
Arid5b	22.5	30.2	34.6	20.3	18.6	21.6	20.2	24.9	19.2	25.1	24.1	23.5
Arih1	25.0	25.3	22.2	25.4	24.1	27.7	23.2	20.3	22.5	28.5	29.6	26.3
Arih2	12.7	12.3	11.6	13.0	11.4	11.4	12.7	12.3	12.3	12.3	12.6	12.0
Arl1	171.9	168.5	173.8	173.9	162.8	173.1	194.4	175.0	168.0	175.4	208.5	206.9
Arl10	5.4	6.1	4.5	5.5	5.6	5.0	6.3	6.2	7.1	6.0	4.5	4.9
Arl11	0.5	0.0	0.1	2.8	6.0	0.1	0.8	0.1	0.1	0.3	0.1	0.2
Arl13b	6.1	6.8	8.7	6.7	6.2	6.6	6.9	6.4	6.3	6.6	7.3	6.9
Arl14ep	9.6	7.9	8.0	9.7	8.5	9.4	9.1	10.1	10.1	9.3	11.5	10.3

Online Table 1

Arl14ep1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Arl15	5.4	7.0	7.4	6.7	7.1	6.2	5.8	6.5	5.4	6.2	6.0	6.5
Arl16	9.2	7.9	7.8	11.2	8.1	8.9	9.4	7.5	7.4	8.4	9.0	7.8
Arl2	31.1	24.2	23.8	35.7	22.9	43.4	28.1	30.2	28.3	26.4	25.8	25.7
Arl2bp	45.3	40.1	37.4	48.9	34.7	43.1	41.8	38.8	39.3	30.3	40.4	33.3
Arl3	42.6	38.7	43.2	50.6	37.4	49.0	41.1	42.1	36.4	41.5	45.3	47.0
Arl4a	1.3	1.2	1.4	1.1	1.4	1.3	1.6	1.6	1.7	2.0	1.8	1.8
Arl4c	2.9	1.2	1.3	4.9	6.0	3.1	2.2	1.3	2.1	4.7	2.8	2.0
Arl4d	0.7	0.7	0.6	0.2	0.6	0.8	0.8	2.0	1.1	5.5	4.1	1.6
Arl5a	42.6	42.1	38.0	48.9	38.5	44.6	43.5	30.8	48.1	41.7	51.8	49.2
Arl5b	2.5	2.7	2.1	2.5	2.4	1.9	1.9	2.1	2.4	4.0	3.2	2.8
Arl5c	0.1	0.2	0.1	0.9	1.1	0.3	0.3	0.2	0.2	0.2	0.1	0.2
Arl6	8.8	8.2	8.4	9.1	7.4	10.4	7.2	7.6	7.6	8.1	9.3	8.8
Arl6ip1	64.6	63.1	56.4	63.9	75.7	66.8	66.6	46.3	70.0	72.5	67.2	62.4
Arl6ip4	22.7	18.3	18.3	21.0	18.7	20.2	21.9	22.8	18.1	22.4	20.3	22.5
Arl6ip5	73.7	56.9	60.7	77.2	69.2	65.8	69.5	61.1	61.6	69.3	74.2	76.7
Arl6ip6	2.7	4.0	4.9	1.8	3.7	2.9	3.3	4.1	4.4	4.1	3.9	3.7
Arl8a	25.1	23.0	21.9	29.3	23.9	29.2	27.2	20.7	19.5	23.1	24.1	22.3
Arl8b	33.7	32.8	32.7	36.1	35.0	37.2	29.6	29.4	28.9	33.2	33.6	36.7
Armc1	12.4	11.3	11.7	10.8	14.0	12.6	12.0	11.4	13.9	13.7	12.9	13.2
Armc10	12.8	11.3	11.6	13.0	10.6	12.8	9.4	12.7	10.6	12.5	11.8	11.4
Armc2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Armc5	3.4	4.1	3.2	3.4	4.1	3.8	4.3	4.6	4.9	4.2	3.3	3.8
Armc6	3.3	2.4	1.5	2.8	3.2	2.8	3.5	3.2	3.3	3.9	3.1	2.8
Armc7	2.3	1.9	1.6	3.1	2.9	1.9	2.0	1.8	1.7	1.6	1.7	1.7
Armc8	5.8	5.7	5.1	6.4	5.1	5.7	5.4	5.8	5.6	5.1	5.7	5.4
Armc9	4.8	4.1	4.2	4.2	3.4	4.7	3.5	3.9	3.0	4.3	3.9	3.8
Armcx1	16.4	13.4	15.7	20.3	13.0	20.3	13.4	13.5	14.0	13.7	15.6	15.7
Armcx2	31.2	32.2	31.2	32.4	24.4	38.4	26.2	28.8	32.0	41.9	37.7	33.8
Armcx3	31.9	29.5	30.0	33.7	27.9	35.6	28.6	30.0	34.1	41.4	41.6	39.4
Armcx4	1.1	1.2	1.4	1.3	1.5	1.5	1.8	1.4	1.4	1.0	1.2	1.4
Armcx5	3.8	3.0	3.5	3.7	3.4	3.8	3.7	3.2	3.5	3.4	4.0	4.0
Armcx6	5.1	5.3	5.5	5.4	3.8	6.9	4.6	4.0	5.8	7.1	6.7	6.2
Arnt	8.3	11.3	14.6	7.3	10.2	7.8	10.8	13.9	10.7	10.6	10.2	12.6
Arnt2	7.0	5.8	3.7	5.4	3.9	5.7	3.6	3.8	2.7	3.3	4.3	3.1
Arntl	4.3	6.7	5.3	4.6	5.3	5.3	4.7	5.9	5.4	4.6	5.4	5.1
Arntl2	5.0	4.3	3.7	3.1	4.0	3.9	3.5	3.0	2.8	4.2	4.0	4.0
Arpc1a	43.7	46.1	37.0	41.3	37.6	40.1	36.7	38.8	38.7	44.3	42.2	41.0
Arpc1b	192.7	168.4	157.3	247.5	271.2	204.8	215.6	204.4	197.4	196.3	201.3	174.3
Arpc2	139.7	120.9	123.7	169.3	138.6	144.3	131.6	124.6	114.4	124.2	142.6	147.6
Arpc3	177.0	134.7	141.5	205.3	185.6	164.5	159.5	149.7	134.4	158.2	157.0	182.3
Arpc4	38.6	34.8	27.8	40.6	53.4	33.1	42.8	35.9	41.9	42.9	39.8	37.0
Arpc5	49.0	46.4	46.6	57.3	74.1	42.1	52.9	51.1	52.2	53.4	60.9	57.4
Arpc5l	43.6	35.0	32.9	38.7	35.0	38.7	31.5	32.4	32.2	37.1	38.0	36.4
Arpp19	13.6	13.6	13.1	15.5	13.9	15.5	12.4	13.7	11.9	14.0	16.6	15.0
Arpp21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arrb1	3.3	3.1	3.0	6.0	7.5	3.1	3.4	2.6	2.8	2.4	2.8	2.6
Arrb2	3.4	2.2	2.3	12.9	21.7	2.3	4.5	3.1	2.3	2.7	1.5	2.4
Arrdc1	3.5	4.0	3.7	2.8	5.2	4.0	4.5	4.2	4.2	4.0	3.5	2.9
Arrdc2	2.2	2.8	2.4	1.8	2.2	1.9	2.7	3.2	2.9	2.0	2.6	2.4
Arrdc3	4.0	4.7	5.4	3.3	3.0	6.9	2.1	3.0	2.6	4.1	3.4	3.5
Arrdc4	6.8	5.9	5.6	9.7	9.1	5.7	9.0	7.5	8.5	7.4	9.6	8.9
Arsa	20.2	17.8	17.0	18.8	17.5	21.9	18.2	20.4	20.3	15.2	15.5	15.9
Arsb	4.8	5.2	5.7	4.5	4.7	6.5	4.2	4.1	3.9	3.9	4.0	4.6
Arsg	2.2	2.4	2.5	1.5	2.1	2.3	2.5	2.8	2.3	2.1	2.0	2.2
Arsi	0.5	1.4	1.4	0.0	0.4	0.0	1.1	2.1	2.2	1.6	1.3	2.1
Arsj	1.5	2.1	2.6	1.2	2.2	1.4	2.7	2.4	2.3	1.6	1.8	1.9

Online Table 1

Arsk	6.1	5.9	6.5	9.2	6.6	8.7	5.8	6.5	5.4	5.3	6.7	6.5
Art3	1.5	0.8	1.3	1.0	0.9	0.7	0.5	0.5	0.2	0.2	0.1	0.5
Art4	0.8	1.1	2.5	0.4	1.5	0.3	0.7	1.0	0.8	0.7	0.7	1.3
Art5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Artn	0.4	0.2	0.5	0.3	0.3	0.1	0.3	0.6	0.3	0.2	0.1	0.2
Arv1	0.8	1.0	0.8	1.2	1.2	1.1	0.8	1.0	0.9	0.8	0.8	0.8
Arvcf	9.2	16.4	17.7	7.4	10.3	9.0	13.9	18.0	21.1	9.9	12.0	13.1
Arx	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Arxes1	1.3	1.7	1.0	2.4	1.8	1.5	2.9	1.3	3.4	1.7	1.9	1.9
Arxes2	5.1	6.9	8.8	11.7	9.0	8.7	13.2	7.2	15.3	10.5	10.7	16.2
As3mt	1.9	2.1	1.8	1.8	1.7	1.7	2.6	2.3	2.1	2.3	2.0	2.0
Asah1	246.6	193.7	169.9	247.7	191.3	244.0	196.3	231.3	222.9	166.9	252.7	243.4
Asah2	11.8	11.5	12.6	14.1	11.3	15.7	10.1	8.9	9.0	11.1	11.4	12.9
Asap1	16.2	22.3	19.3	18.9	16.0	20.5	23.6	15.6	19.3	15.3	19.2	20.5
Asap2	2.3	2.0	1.9	1.9	1.7	1.9	1.9	1.6	1.7	2.3	2.2	1.8
Asap3	5.4	7.4	9.1	5.6	5.9	6.3	6.8	8.7	7.3	4.4	5.0	6.3
Asb1	6.5	6.5	5.7	5.7	5.8	5.9	5.3	4.4	5.8	4.9	5.3	5.2
Asb13	1.4	2.5	2.0	1.4	1.5	1.9	1.3	1.4	1.6	1.5	1.5	1.4
Asb14	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Asb15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asb16	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Asb2	0.3	0.1	0.2	1.7	4.7	0.3	1.2	0.1	0.6	0.9	0.7	0.4
Asb3	7.0	7.8	7.3	8.7	6.5	8.2	7.5	6.7	6.9	7.2	8.1	7.2
Asb4	0.3	0.4	0.5	0.3	0.5	0.4	0.4	0.6	0.3	0.2	0.2	0.3
Asb5	25.5	15.5	6.4	25.4	17.5	13.6	23.7	4.7	11.1	10.0	12.1	11.2
Asb6	10.9	9.9	9.7	12.8	11.0	10.7	12.1	10.7	12.7	10.7	11.1	9.8
Asb7	3.9	4.0	4.3	4.5	3.5	4.1	3.7	4.0	3.8	4.1	4.1	4.1
Asb8	8.2	8.3	7.1	7.5	8.0	8.9	7.6	7.6	7.6	8.1	7.2	7.7
Ascc1	13.9	13.7	11.1	13.0	10.8	14.8	12.2	13.7	12.3	13.2	13.9	13.2
Ascc2	13.5	12.2	11.1	13.6	12.7	14.7	13.4	14.5	12.4	11.6	13.3	11.4
Ascc3	10.0	9.1	8.0	10.2	9.6	9.2	9.2	8.7	8.4	9.8	11.4	10.8
Ascl2	0.2	0.2	0.1	0.0	0.2	0.1	0.1	0.0	0.2	0.1	0.1	0.1
Ascl3	0.4	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1
Asf1a	5.0	4.8	4.9	4.1	4.0	4.4	4.0	4.8	4.5	5.2	4.4	5.2
Asf1b	1.7	3.6	4.4	1.4	3.7	0.7	4.7	2.6	3.6	1.5	3.6	2.0
Asgr1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Ash1l	7.9	8.6	8.9	8.1	7.8	7.8	8.5	8.5	7.2	7.3	8.3	7.9
Ash2l	17.4	18.5	17.2	17.7	15.8	16.5	16.8	18.3	17.1	17.8	18.2	18.5
Asic1	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.4	0.6	0.9	0.7	0.9
Asic3	0.7	1.0	0.8	0.2	1.0	0.4	0.4	0.3	0.4	1.7	1.8	1.6
Asic5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Asl	14.1	13.7	11.6	15.4	14.0	14.4	13.6	13.3	14.1	11.5	12.6	11.4
Asna1	29.5	27.3	25.6	35.2	29.5	31.5	25.4	30.4	24.4	29.8	31.2	28.6
Asns	69.9	45.9	34.0	69.0	38.4	58.9	53.6	68.6	65.6	41.1	65.0	40.6
Asnsd1	35.7	28.4	26.9	28.2	28.0	34.1	25.4	27.3	27.7	33.1	34.4	32.2
Aspa	0.2	0.2	0.5	0.0	0.0	0.3	0.2	0.3	0.1	0.2	0.0	0.1
Aspg	0.1	0.4	0.6	0.2	0.4	0.2	0.2	0.3	0.3	0.1	0.2	0.1
Asph	37.5	33.0	37.1	43.5	35.3	44.2	36.9	33.4	29.9	31.7	38.5	36.1
Asphd2	1.2	1.8	1.3	0.9	0.8	2.5	1.0	0.9	1.0	1.5	1.1	0.4
Aspm	0.8	1.3	2.2	0.7	2.3	0.2	2.8	1.1	2.6	1.2	2.2	1.3
Aspn	1.3	1.7	6.3	3.1	2.6	1.3	2.2	7.0	4.2	5.9	16.4	5.6
Asprv1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Aspscr1	13.6	15.3	12.7	15.2	14.1	13.6	13.5	14.3	13.8	12.7	13.4	12.0
Asrgl1	4.9	5.7	7.0	4.9	4.1	5.7	6.6	5.6	5.0	4.9	5.5	5.5
Ass1	48.2	31.6	24.6	69.3	58.0	73.7	30.0	19.1	28.0	49.3	30.3	28.5
Aste1	1.9	1.9	1.6	1.7	2.2	1.6	1.9	1.5	1.7	1.8	1.8	1.5
Astn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Astn2	0.1	0.3	0.1	0.1	0.3	0.1	0.2	0.2	0.2	0.0	0.1	0.0
Asun	8.6	8.8	8.7	8.9	8.5	7.7	8.6	8.3	7.7	8.7	9.2	9.0
Asxl1	3.4	4.6	4.6	3.2	3.9	3.6	4.0	4.4	4.5	3.8	4.4	4.1
Asxl2	3.0	3.2	3.1	3.6	3.1	3.0	2.9	3.2	2.7	2.7	2.9	3.1
Asxl3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asz1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Atad1	26.8	26.9	26.7	27.3	26.5	30.9	27.0	26.1	26.7	27.7	29.1	30.2
Atad2	5.9	8.4	11.6	5.4	10.0	5.2	11.2	7.5	8.0	6.1	8.9	6.3
Atad2b	2.0	2.3	2.7	1.9	2.3	2.1	2.3	2.4	2.4	2.4	2.8	3.0
Atad3a	7.7	6.8	6.2	7.2	7.1	6.7	9.0	7.0	7.1	8.6	7.1	6.8
Atad5	0.6	1.1	1.3	0.5	1.1	0.5	0.8	0.9	0.7	0.7	0.7	0.8
Atat1	11.2	12.6	12.8	12.8	9.2	11.7	12.0	10.5	10.6	12.4	13.7	11.0
Atcay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ate1	16.0	16.7	14.8	17.5	16.1	16.3	17.3	11.1	15.4	16.4	17.5	17.4
Atf1	7.6	7.7	10.0	8.8	8.6	8.9	9.6	9.5	7.9	8.0	9.2	9.8
Atf2	8.3	9.3	10.5	10.1	8.7	9.8	8.9	9.4	8.5	8.5	10.2	10.0
Atf3	4.3	1.6	1.2	11.7	13.2	1.5	4.4	0.8	2.1	7.1	3.5	2.4
Atf4	145.1	98.6	81.0	140.2	99.2	134.2	130.0	133.5	130.0	100.7	138.7	109.6
Atf5	101.4	66.9	46.1	124.9	53.4	127.0	69.7	101.9	87.4	48.2	76.9	54.3
Atf6	13.9	11.2	10.9	16.0	11.6	13.6	10.9	11.4	10.6	12.2	11.6	12.4
Atf6b	7.6	7.9	8.3	7.5	9.2	8.2	8.4	9.2	8.6	7.9	7.3	7.2
Atf7	1.4	1.9	2.4	1.4	1.6	1.8	1.9	2.4	2.0	1.4	1.6	1.8
Atf7ip	7.1	8.1	10.4	6.5	7.6	6.1	8.3	8.5	7.2	6.7	8.3	7.3
Atf7ip2	0.1	0.2	0.3	0.1	0.3	0.0	0.2	0.1	0.1	0.1	0.1	0.3
Atg10	10.1	8.9	6.7	9.0	9.0	9.2	7.8	6.3	7.4	6.9	8.3	8.5
Atg12	38.9	33.0	26.3	47.8	33.5	40.4	28.5	19.8	27.1	30.2	30.4	29.3
Atg13	5.9	6.4	6.4	6.9	6.9	6.2	6.8	6.9	6.5	6.9	6.1	7.5
Atg14	4.1	4.7	4.0	4.2	3.7	5.1	3.3	4.1	4.1	4.1	3.8	3.7
Atg16l1	9.2	8.3	7.4	8.6	8.8	8.2	8.5	7.8	9.2	9.4	9.1	8.6
Atg16l2	4.2	4.9	4.8	3.4	4.3	3.9	3.8	4.9	7.0	4.6	3.2	4.6
Atg2a	4.1	4.2	3.9	4.0	4.8	4.2	4.7	3.8	4.6	5.1	3.8	2.9
Atg2b	5.4	5.6	5.6	4.2	4.9	4.8	5.3	4.6	4.8	5.0	4.8	4.7
Atg3	26.0	26.9	32.5	30.4	25.3	24.3	29.0	28.2	24.1	29.3	31.9	37.6
Atg4a	14.3	12.5	12.3	15.0	11.7	13.1	12.0	10.7	10.9	10.4	12.4	13.2
Atg4b	14.6	14.1	11.6	14.8	12.7	13.9	13.4	11.9	13.0	13.5	12.6	12.4
Atg4c	2.2	2.5	2.9	2.9	2.8	2.8	2.8	3.0	2.2	2.4	2.0	2.5
Atg4d	2.3	2.6	2.5	2.0	2.5	1.7	2.8	2.5	2.9	2.9	2.5	2.4
Atg5	13.0	12.3	11.8	13.2	12.3	12.3	10.9	12.8	11.3	12.2	12.8	12.2
Atg7	7.6	6.3	5.5	8.3	7.6	7.9	6.1	5.9	5.8	6.0	5.8	6.1
Atg9a	7.4	8.0	7.8	7.6	7.7	7.5	8.6	9.2	8.7	6.8	7.4	6.3
Atg9b	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0
Athl1	9.1	8.6	8.1	8.9	7.5	7.8	7.6	9.1	8.7	9.6	8.1	8.9
Atic	32.9	27.8	23.5	33.0	29.4	32.2	29.1	25.9	24.7	31.2	29.9	27.5
Atl1	7.4	7.9	6.3	8.8	6.3	10.1	7.6	4.9	6.1	5.4	6.8	6.5
Atl2	6.9	7.2	7.3	6.3	6.8	5.8	6.5	6.5	7.6	8.9	7.2	8.2
Atl3	22.8	26.2	26.8	21.1	24.7	20.1	26.9	27.6	29.1	28.6	30.0	32.6
Atm	3.7	3.5	3.4	3.4	3.2	4.0	2.6	3.3	2.5	3.6	3.1	3.1
Atmin	6.2	6.4	5.4	6.1	5.7	7.3	4.7	5.7	5.3	5.1	5.1	4.7
Atn1	1.2	2.2	2.7	1.7	2.4	1.8	3.5	3.7	3.6	2.1	2.2	2.0
Atoh8	40.5	67.9	88.7	30.9	40.6	31.1	59.8	74.2	60.2	43.1	48.9	54.8
Atox1	216.1	160.4	115.1	185.6	219.2	166.3	132.1	109.9	143.1	181.5	133.8	142.0
Atp10a	3.0	3.6	4.2	2.7	4.6	2.3	5.5	6.6	6.5	3.6	5.1	4.3
Atp10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp10d	3.5	4.4	3.5	2.6	2.7	2.5	2.1	2.9	2.4	2.3	2.7	2.4
Atp11a	29.4	24.0	22.1	30.5	25.1	26.0	28.6	24.8	22.3	23.0	25.3	22.9
Atp11b	7.2	8.2	8.4	7.5	7.8	7.0	6.9	6.6	6.9	8.8	7.6	8.5
Atp11c	1.7	2.4	3.1	2.2	2.6	1.8	2.2	2.5	2.3	2.0	2.1	2.2

Online Table 1

Atp12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp13a1	9.3	10.0	9.2	10.5	10.5	9.8	11.5	10.9	10.4	10.8	9.1	8.5
Atp13a2	4.6	4.2	3.4	6.7	10.0	4.7	4.2	3.3	3.5	5.1	3.8	3.4
Atp13a3	22.3	24.8	21.7	17.3	23.6	17.9	23.3	21.6	26.0	24.6	27.8	25.5
Atp13a5	0.5	0.1	0.1	0.6	0.3	0.2	0.4	0.0	0.1	0.2	0.1	0.1
Atp1a1	101.1	106.9	101.9	80.1	102.3	78.5	129.0	120.5	125.1	143.0	127.5	119.3
Atp1a2	0.2	0.3	1.1	0.0	0.1	0.0	0.1	0.4	0.1	0.0	0.0	0.1
Atp1a3	0.1	0.0	0.0	0.4	1.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1
Atp1a4	0.3	0.2	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Atp1b1	8.2	4.7	4.5	6.2	3.4	4.4	1.9	2.5	3.5	31.3	9.4	9.1
Atp1b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Atp1b3	108.7	89.3	72.8	111.4	100.4	100.6	84.2	70.0	80.9	99.3	91.1	93.9
Atp1b4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp2a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp2a2	51.9	49.3	47.0	48.8	50.3	39.3	56.3	52.6	56.0	54.5	54.8	52.2
Atp2a3	0.3	0.1	0.1	1.4	2.4	0.1	0.3	0.1	0.2	0.2	0.1	0.1
Atp2b1	9.0	9.6	11.7	10.4	13.2	7.3	11.5	15.2	12.2	11.2	12.6	13.6
Atp2b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp2b4	0.7	0.7	1.1	0.4	1.1	0.3	1.0	1.2	1.1	3.3	2.6	1.2
Atp2c1	30.9	31.6	30.3	31.2	28.3	28.9	31.9	26.8	33.7	28.1	31.8	32.9
Atp4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp5a1	152.3	132.7	123.2	136.1	138.8	129.3	128.7	138.7	132.6	149.9	133.2	143.0
Atp5b	428.3	365.6	299.1	417.5	360.0	368.0	357.5	342.1	336.0	375.3	380.6	342.3
Atp5c1	121.4	109.7	97.4	115.3	108.4	113.6	101.2	102.9	95.6	113.7	113.4	108.0
Atp5d	98.9	86.7	84.7	89.1	88.8	95.1	93.9	97.4	94.1	98.2	89.6	87.5
Atp5e	238.0	212.3	149.4	148.8	201.6	195.1	164.8	183.1	219.5	218.6	163.4	154.4
Atp5f1	100.8	89.9	91.2	109.9	93.1	93.0	98.3	95.7	88.4	99.8	112.6	113.7
Atp5g1	98.7	68.5	54.5	93.9	80.6	85.1	77.3	88.8	69.4	81.6	83.0	60.8
Atp5g2	137.8	122.1	100.5	108.1	110.5	134.7	108.7	132.6	126.9	134.7	126.0	111.8
Atp5g3	100.1	108.0	75.6	90.9	101.7	90.2	82.4	87.8	103.0	109.4	86.3	88.8
Atp5h	237.5	189.2	219.2	245.1	190.8	236.7	215.4	216.9	183.6	223.1	239.2	227.7
Atp5j	100.9	96.7	81.6	102.9	90.7	92.4	77.0	92.7	86.9	101.2	93.8	92.7
Atp5j2	236.1	188.2	170.4	204.5	201.6	228.5	183.6	194.4	196.5	229.4	199.8	196.5
Atp5k	224.9	206.2	196.3	208.3	203.0	209.0	170.0	202.6	219.0	211.0	190.2	235.6
Atp5l	246.5	230.7	184.5	213.0	249.2	230.5	195.0	205.9	221.4	258.2	226.1	231.3
Atp5o	140.3	127.4	122.2	118.3	128.0	121.8	126.2	142.3	124.7	131.7	127.8	127.8
Atp5s	7.0	6.8	5.9	6.3	4.9	8.4	4.5	4.7	4.8	5.7	5.6	6.3
Atp5sl	3.6	3.1	3.2	4.4	3.1	4.4	2.7	3.4	2.7	3.6	2.7	3.4
Atp6ap1	141.9	114.5	95.5	163.0	124.7	154.5	90.6	101.9	89.2	100.9	101.5	106.7
Atp6ap2	59.1	41.4	34.1	67.4	58.0	67.0	30.7	34.0	33.0	40.0	41.7	45.1
Atp6v0a1	16.1	12.5	10.8	18.3	16.3	15.9	12.7	9.6	10.3	12.5	11.1	10.6
Atp6v0a2	18.9	16.8	17.2	19.6	20.5	17.1	18.4	20.9	19.2	21.2	19.2	19.9
Atp6v0a4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Atp6v0b	87.8	71.9	57.4	106.9	99.1	91.0	74.1	64.2	76.0	92.1	71.3	77.1
Atp6v0c	207.5	160.5	140.0	249.0	235.9	205.1	171.7	148.0	150.1	175.5	157.1	155.6
Atp6v0c-ps2	5.1	4.5	1.1	10.5	16.1	12.2	0.0	1.1	1.5	7.8	0.0	1.8
Atp6v0d1	64.5	53.7	41.0	70.0	63.6	64.4	52.9	48.6	47.5	60.2	59.6	56.1
Atp6v0d2	0.2	0.1	0.1	1.6	0.4	0.1	0.0	0.0	0.0	0.1	0.1	0.2
Atp6v0e	184.9	136.5	108.9	204.2	153.4	156.4	136.1	116.6	130.1	155.3	144.5	129.8
Atp6v0e2	6.1	3.0	1.9	4.1	1.1	6.9	1.3	1.5	0.9	5.5	3.7	2.3
Atp6v1a	78.1	63.3	56.2	86.4	77.5	81.5	51.2	52.6	52.1	66.6	60.6	64.8
Atp6v1b1	0.4	0.2	0.0	0.1	0.2	0.3	0.1	0.0	0.1	0.0	0.0	0.0
Atp6v1b2	30.4	28.6	22.4	32.3	41.0	26.6	25.2	23.6	25.9	30.6	26.2	26.2
Atp6v1c1	49.2	41.2	32.0	51.8	44.2	47.0	35.2	30.2	33.7	39.5	38.5	38.8
Atp6v1c2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Atp6v1d	63.2	55.8	55.8	71.7	56.7	63.7	51.7	50.2	42.9	58.9	59.9	70.1
Atp6v1e1	138.9	93.0	75.9	136.5	112.8	118.0	80.2	72.0	78.6	108.3	106.0	103.9

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Atp6v1e2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Atp6v1f	155.7	109.0	93.8	172.2	114.8	148.4	96.6	91.7	90.0	122.3	107.6	105.7
Atp6v1g1	104.1	89.3	70.2	126.8	91.1	116.4	74.1	77.9	80.4	92.7	88.5	86.2
Atp6v1g2	0.2	0.2	0.1	0.1	0.3	0.4	0.2	0.5	0.4	0.4	0.3	0.5
Atp6v1h	81.8	60.9	46.4	79.2	64.7	72.1	49.3	39.5	52.0	70.5	56.6	63.3
Atp7a	6.0	7.2	7.6	5.9	7.4	4.9	5.9	7.7	5.7	6.9	6.9	6.7
Atp7b	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Atp8a1	0.5	0.3	0.3	1.1	1.7	0.4	0.4	0.4	0.3	1.1	0.4	0.6
Atp8a2	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Atp8b1	9.2	10.5	11.2	12.4	13.6	11.2	7.8	8.6	6.9	5.6	5.9	7.3
Atp8b2	32.9	37.0	33.8	33.5	32.9	32.8	38.5	38.4	39.6	30.0	32.0	33.1
Atp8b3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp8b4	0.4	0.3	0.2	2.8	5.1	0.2	0.7	0.2	0.1	0.6	0.1	0.3
Atp8b5	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.4	0.2	0.1
Atp9a	52.9	41.9	33.0	55.3	37.5	61.6	38.6	32.7	32.6	35.9	34.8	36.9
Atp9b	15.8	14.1	13.0	15.6	15.3	15.2	16.9	15.0	15.8	14.5	15.2	15.1
Atpaf1	4.9	4.7	4.8	5.0	4.8	4.9	4.2	4.9	4.4	4.4	4.8	4.1
Atpaf2	9.1	9.2	7.3	11.1	8.3	9.5	9.2	8.5	7.6	7.6	6.8	7.1
Atpbd4	2.1	2.0	1.6	2.3	2.4	2.4	2.6	2.2	1.6	2.1	2.6	2.2
Atpif1	177.5	168.0	185.4	215.1	172.7	204.1	172.8	190.5	156.3	188.0	219.3	192.5
Atr	4.4	4.4	3.6	3.8	4.3	3.7	3.4	3.4	3.3	3.8	4.1	3.5
Atraid	76.2	66.7	60.7	62.4	59.5	75.0	61.4	60.4	66.0	72.1	60.8	80.6
Atrip	4.2	5.2	4.2	4.7	3.6	3.6	3.6	3.8	4.2	4.4	4.0	3.9
Atrn	9.7	9.5	9.6	10.6	11.4	8.5	10.1	10.7	10.5	9.3	10.3	9.6
Atrnl1	10.8	10.3	11.3	9.3	10.8	10.0	9.0	11.5	10.9	8.7	8.5	9.3
Atrx	16.5	16.2	20.5	17.3	16.0	15.9	15.4	18.2	13.8	17.3	19.1	19.1
Atxn1	4.3	6.5	7.8	4.2	6.1	3.9	6.9	7.0	6.6	6.1	6.4	6.6
Atxn10	55.1	47.7	47.5	48.6	44.4	45.5	45.0	49.5	41.3	44.1	46.1	49.1
Atxn11	6.7	8.1	7.6	7.8	7.7	6.5	7.8	7.3	8.2	6.4	7.3	7.3
Atxn2	3.6	5.1	5.5	4.8	4.4	5.1	6.1	4.5	4.6	3.9	5.3	4.3
Atxn2l	5.6	7.1	7.1	6.8	7.0	7.0	8.5	6.8	6.9	5.5	6.0	4.6
Atxn3	11.3	10.9	10.2	13.3	9.7	11.3	8.5	7.9	8.1	10.4	9.0	9.9
Atxn7	3.7	4.5	4.3	3.8	4.0	3.4	4.5	3.3	4.0	3.4	4.3	4.1
Atxn7l1	1.7	2.7	2.7	3.8	2.6	3.1	2.8	2.4	1.8	1.5	1.6	1.8
Atxn7l2	0.3	0.2	0.4	0.3	0.3	0.2	0.2	0.4	0.3	0.4	0.3	0.5
Atxn7l3	9.6	11.2	10.0	9.0	10.0	10.4	10.2	11.3	12.5	11.4	10.1	10.0
Atxn7l3b	22.8	20.7	20.2	20.8	21.1	22.9	18.3	20.7	23.9	25.4	21.9	20.7
AU015228	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
AU015836	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
AU019823	4.3	4.1	4.4	4.9	5.5	4.6	4.6	4.6	4.4	5.1	5.3	5.3
AU021063	0.5	0.6	0.3	0.2	0.2	0.4	0.4	0.7	0.5	0.1	0.1	0.7
AU021092	1.9	0.6	0.4	1.0	0.6	0.8	0.7	0.6	0.5	0.5	0.8	0.3
AU022252	5.6	6.0	5.7	6.1	6.0	6.1	5.5	6.9	6.2	6.2	6.1	6.1
AU022793	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
AU023762	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AU023871	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
AU040320	9.0	9.7	9.6	9.5	8.9	8.3	9.6	10.8	11.0	7.8	8.9	9.2
AU040972	0.0	0.1	0.2	0.3	0.1	0.0	0.2	0.2	0.0	0.1	0.0	0.0
AU041133	1.6	1.8	1.5	1.4	1.5	1.9	0.8	1.4	1.6	2.0	1.8	1.8
Auh	15.7	14.1	15.2	15.3	11.5	12.5	15.1	16.4	14.9	15.7	14.6	18.1
Aup1	33.7	31.7	31.3	43.1	37.9	38.3	37.8	33.3	36.8	35.8	36.4	36.8
Aurka	2.9	4.8	8.0	1.3	6.8	0.7	11.0	3.3	7.7	4.2	7.2	4.7
Aurkaip1	41.8	31.1	27.2	42.1	33.5	39.0	33.7	35.2	35.6	39.8	35.0	36.3
Aurkb	1.5	3.2	5.1	1.1	5.0	1.0	6.5	2.4	4.5	2.2	2.6	2.5
Aurkc	0.1	0.0	0.0	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1
Auts2	0.4	0.6	0.8	0.2	0.4	0.4	0.3	0.6	0.4	0.6	0.3	0.4
AV039307	0.3	0.5	0.1	0.4	0.4	1.0	0.2	0.5	0.2	0.4	0.3	0.3

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AV051173	0.6	1.0	0.5	2.2	1.9	0.9	0.9	0.9	0.9	1.9	1.2	0.7
Aven	6.2	5.9	5.6	5.0	6.2	3.7	6.1	7.2	5.8	6.5	5.7	5.2
Avil	0.6	0.4	0.5	0.4	0.2	0.6	0.3	0.4	0.4	0.3	0.4	0.3
Avl9	6.6	7.6	6.7	6.9	6.6	7.5	5.4	5.3	5.9	7.6	7.5	7.5
Avpi1	12.7	12.8	9.7	9.7	8.4	12.0	11.8	11.7	12.7	12.3	11.8	10.4
Avpr1a	2.5	4.3	7.9	3.9	6.1	1.8	7.5	6.9	6.3	3.7	3.7	3.7
Avpr1b	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AW011738	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.5	0.5	0.3	0.5
AW046200	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
AW112010	0.9	0.4	0.4	1.2	1.1	0.2	0.8	0.3	0.3	0.1	0.0	0.2
AW146154	2.2	1.9	2.2	2.5	1.8	2.5	1.7	2.1	2.0	2.1	2.4	2.5
AW209491	8.5	6.6	5.5	6.9	5.5	7.6	5.0	5.7	5.4	6.1	6.8	6.0
AW549877	8.3	10.1	10.1	10.7	9.6	12.8	9.2	9.5	10.7	10.4	10.9	11.0
AW551984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
AW554918	1.2	1.3	1.5	1.5	1.1	1.4	1.6	1.5	1.2	1.1	1.2	1.1
Awat2	0.2	0.1	0.0	0.0	0.2	0.6	0.0	0.1	0.0	0.2	0.1	0.1
Axin1	8.3	8.9	8.2	8.1	7.6	7.6	8.4	7.9	8.5	7.3	8.6	8.1
Axin2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.4	0.1	0.2
Axl	123.5	129.1	99.6	126.9	130.4	148.4	154.3	130.4	136.3	141.3	141.5	125.5
AY074887	1.6	0.9	0.6	2.2	1.0	1.6	1.1	0.9	1.0	1.1	0.8	0.5
AY358078	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
AY512931	0.1	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2
Azi1	3.1	4.1	4.3	3.0	2.8	3.5	3.5	3.4	3.2	3.0	3.0	2.8
Azi2	16.1	15.3	14.5	16.9	14.8	16.0	13.2	12.8	14.5	15.2	14.8	16.2
Azin1	23.9	24.8	21.0	26.2	26.1	23.6	22.4	17.7	22.8	22.0	22.7	23.1
B020004J07Rik	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
B130006D01Rik	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2
B130024G19Rik	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
B130034C11Rik	0.1	0.2	0.1	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1
B230118H07Rik	8.3	7.4	6.8	10.0	5.2	10.8	5.2	5.3	4.2	4.9	5.9	6.1
B230120H23Rik	26.6	21.4	19.3	23.0	22.7	21.0	20.5	15.8	14.9	22.8	22.0	19.2
B230206H07Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
B230208H11Rik	0.2	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.2	0.0	0.2
B230216G23Rik	0.3	0.4	0.3	0.1	0.2	0.4	0.4	0.3	0.3	0.4	0.3	0.2
B230216N24Rik	0.1	0.5	0.1	0.2	0.1	0.2	0.0	0.0	0.1	0.0	0.1	0.0
B230217C12Rik	1.1	1.0	1.2	1.1	1.2	1.1	0.9	1.0	1.0	0.6	1.0	0.8
B230217O12Rik	1.0	0.4	0.6	0.7	0.5	0.8	0.6	1.0	0.4	0.5	0.6	0.5
B230219D22Rik	18.3	17.6	18.0	19.6	19.7	19.0	19.7	20.1	21.8	20.6	23.9	21.8
B230319C09Rik	0.2	0.4	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3
B230378P21Rik	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.1	0.0
B2m	1573.3	1115.4	1584.3	2763.8	1377.3	1827.6	904.5	753.2	592.7	612.2	739.9	954.2
B330016D10Rik	0.4	0.7	0.9	0.5	0.6	0.8	0.6	0.6	0.5	0.6	0.5	0.7
B3galnt1	2.8	4.1	4.3	2.9	2.7	4.1	6.3	3.5	3.9	5.1	6.4	4.7
B3galnt2	16.2	15.7	12.6	15.7	12.7	15.3	12.9	12.7	13.6	16.4	16.1	15.3
B3galt1	0.4	0.8	1.6	0.6	0.9	0.4	1.0	1.7	1.6	1.0	1.2	1.3
B3galt2	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1
B3galt4	1.5	1.4	1.4	1.7	1.7	1.7	1.5	1.8	1.8	1.4	1.5	1.5
B3galt5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B3galt6	2.0	1.8	2.1	2.0	2.2	1.9	2.2	2.3	2.8	3.0	2.6	2.5
B3galtl	4.6	4.3	4.2	6.0	6.0	6.0	4.7	5.2	3.9	3.9	4.3	4.2
B3gat2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.2
B3gat3	8.4	6.4	6.8	10.0	9.3	8.9	9.5	8.7	10.2	9.0	8.9	9.1
B3gnt1	17.4	15.4	14.2	18.1	15.0	20.8	17.4	14.5	16.8	16.8	16.2	15.8
B3gnt2	8.1	7.9	8.1	9.9	12.2	7.9	9.0	8.8	8.2	7.5	9.2	9.2
B3gnt3	1.0	1.0	0.7	1.6	2.5	1.7	1.8	1.2	1.0	0.7	0.9	0.9
B3gnt4	0.2	0.2	0.3	0.2	0.3	0.1	0.3	0.2	0.3	0.1	0.3	0.4
B3gnt5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0

Online Table 1

B3gnt6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
B3gnt7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B3gnt8	0.3	0.7	1.3	0.5	1.4	0.3	0.6	1.5	0.7	0.4	0.6	0.6
B3gnt9	10.9	10.3	12.7	8.8	10.4	11.9	13.3	17.1	15.6	16.7	14.1	18.5
B3gnt11	3.1	3.2	2.5	3.0	2.7	3.4	2.5	3.0	2.8	2.6	2.9	2.3
B430010I23Rik	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.2	0.1	0.1	0.3	0.1
B430212C06Rik	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
B430306N03Rik	0.3	0.0	0.0	0.9	1.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1
B430319G15Rik	1.5	1.7	1.4	1.4	1.0	0.9	1.3	1.2	1.3	1.4	1.7	1.6
B4galnt1	2.4	2.4	1.7	4.1	5.3	4.7	4.7	2.6	3.3	4.8	4.5	3.6
B4galnt2	0.8	0.1	0.1	0.3	0.2	0.1	0.0	0.1	0.0	0.1	0.1	0.1
B4galnt3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B4galt1	35.2	45.9	48.1	22.0	36.7	25.0	41.0	55.6	52.7	40.5	38.4	53.1
B4galt2	12.1	11.7	10.6	13.5	11.8	15.4	14.2	13.3	12.5	11.2	11.1	10.5
B4galt3	4.1	4.1	5.4	3.7	5.9	4.8	5.6	4.1	5.9	6.1	4.9	5.1
B4galt4	23.1	17.4	17.2	16.5	12.0	17.4	16.3	16.9	13.9	30.9	27.0	21.8
B4galt5	15.8	12.8	15.9	15.4	25.2	11.6	24.4	20.2	16.3	14.7	14.6	18.3
B4galt6	3.9	3.8	3.6	4.1	4.0	3.9	4.3	3.2	3.3	3.9	4.5	3.6
B4galt7	15.4	13.5	9.9	18.2	18.7	15.7	20.5	14.7	15.2	13.1	16.7	12.3
B630005N14Rik	5.9	5.6	6.8	6.7	7.0	6.2	5.2	5.1	5.6	6.6	7.2	6.1
B630019K06Rik	1.7	1.6	1.5	1.9	1.3	2.2	1.7	1.3	1.4	1.4	1.5	1.7
B930003M22Rik	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1
B930041F14Rik	0.9	0.9	1.1	0.8	0.9	1.5	1.2	1.3	1.0	1.3	0.9	1.4
B930059L03Rik	0.4	0.4	0.6	0.6	0.5	0.5	0.4	0.7	0.2	0.4	0.2	0.5
B9d1	8.3	8.9	8.8	7.7	7.8	10.6	5.8	9.2	7.4	5.8	9.6	9.5
B9d2	1.4	1.9	1.5	1.1	1.8	1.4	1.8	1.6	1.3	1.8	1.6	1.6
Baalc	0.4	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.1	0.4	0.1	0.3
Baat1	0.1	0.2	0.1	0.4	0.3	0.1	0.2	0.4	0.3	0.1	0.3	0.2
Babam1	30.3	29.2	27.3	34.2	26.2	33.6	29.0	30.6	26.0	25.6	26.3	24.9
Bace1	19.1	20.8	21.3	22.9	22.2	23.2	25.9	21.6	24.8	18.0	17.8	19.5
Bace2	2.0	2.0	2.9	2.9	2.1	2.2	1.7	2.6	1.7	1.7	1.7	1.9
Bach1	5.0	5.5	6.5	5.1	7.9	4.9	5.3	7.0	6.7	7.7	6.1	7.1
Bach2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Bad	18.5	16.4	16.8	17.3	16.7	18.9	18.8	17.1	16.5	17.2	16.9	16.0
Bag1	180.1	122.7	103.0	188.1	102.8	164.8	114.3	102.7	91.3	111.2	133.5	128.7
Bag2	15.4	16.6	15.7	17.1	17.7	16.3	23.1	23.6	22.8	18.0	25.9	18.7
Bag3	18.5	25.4	27.2	25.3	22.1	24.0	26.9	21.2	19.0	23.5	22.0	22.8
Bag4	3.4	3.6	4.2	3.9	3.7	4.2	3.4	3.6	3.6	3.9	3.9	3.9
Bag5	15.1	13.7	14.1	14.8	12.9	15.3	12.9	14.5	13.9	12.2	15.9	16.6
Bag6	21.3	25.8	22.0	18.4	23.7	18.9	25.3	21.4	24.7	20.9	18.9	16.9
Bahcc1	0.9	1.4	1.4	0.9	1.4	1.2	1.7	1.4	1.6	1.1	1.1	0.9
Bahd1	3.5	4.7	3.9	3.5	3.6	3.6	3.8	3.5	4.1	3.7	3.5	3.1
Bai1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Bai2	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.6	0.4	0.3
Bai3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Baiap2	5.0	6.0	7.4	5.0	6.2	5.1	8.1	6.1	6.1	6.0	5.1	6.0
Baiap211	0.8	0.9	1.3	0.7	0.5	0.5	1.3	1.0	1.3	2.4	1.7	1.5
Baiap212	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Baiap3	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2
Bak1	17.7	20.7	20.4	22.0	22.6	17.2	19.7	24.1	19.6	16.6	21.1	18.1
Bambi	0.4	0.5	0.6	0.3	0.6	0.3	0.9	0.9	0.8	0.9	0.9	0.5
Bambi-ps1	0.3	0.3	0.2	0.1	0.6	0.5	0.2	0.1	0.1	0.1	0.4	0.1
Banf1	37.7	34.2	31.2	51.0	41.9	44.0	38.3	41.7	35.7	40.9	38.6	37.0
Bank1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Banp	4.5	5.3	4.7	4.5	4.9	5.8	3.7	3.7	4.6	5.2	5.4	4.5
Bap1	10.8	12.2	13.0	11.1	12.3	12.5	10.6	12.9	12.2	11.1	9.7	10.3
Bard1	0.4	0.8	1.1	0.2	0.8	0.2	1.1	0.4	0.8	0.4	0.5	0.4

Online Table 1

Barhl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barx1	0.2	0.1	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Barx2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Basp1	83.5	56.7	49.9	107.6	88.9	61.3	120.8	75.8	81.8	97.6	115.9	86.7
Batf	0.5	0.4	0.8	0.8	1.3	0.8	0.2	0.2	0.0	0.4	0.1	0.3
Batf2	0.1	0.1	0.0	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Batf3	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Bax	91.8	83.1	72.3	96.8	100.7	89.2	89.7	82.8	88.0	95.8	85.2	77.7
Baz1a	7.3	8.3	9.8	7.6	9.1	5.9	9.0	8.5	8.4	8.4	9.2	9.6
Baz1b	24.5	26.6	29.2	25.8	25.0	23.9	29.1	26.1	25.6	27.0	29.6	31.1
Baz2a	3.2	4.6	4.3	3.8	3.9	3.3	4.5	4.2	4.3	3.6	4.4	3.7
Baz2b	4.2	4.2	4.4	4.7	3.9	3.5	3.7	3.7	3.7	4.7	4.5	4.5
BB287469	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Bbc3	4.3	4.3	4.0	4.1	4.3	4.6	4.2	4.6	5.3	5.7	4.3	4.1
Bbip1	7.3	6.0	5.6	6.8	6.2	6.0	5.6	6.8	6.4	6.6	8.0	7.4
Bbox1	0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0
Bbs1	0.8	0.9	1.1	0.6	0.8	1.0	0.6	1.0	0.7	0.6	0.6	0.7
Bbs10	1.4	1.7	1.4	1.5	1.3	1.2	1.0	1.7	1.6	1.3	1.4	1.8
Bbs12	1.3	1.4	1.0	0.6	1.2	1.3	0.9	1.0	1.3	1.7	1.6	1.3
Bbs2	3.7	3.6	3.4	3.3	2.9	5.5	2.8	3.5	2.6	3.1	2.5	2.9
Bbs4	4.1	2.5	2.1	5.7	3.1	4.5	2.8	2.3	2.2	2.4	3.1	3.0
Bbs5	8.0	7.0	6.2	7.6	6.0	9.2	4.9	5.2	5.6	8.0	7.8	7.2
Bbs7	8.2	7.7	8.7	7.3	6.8	7.6	7.1	7.0	6.3	5.4	7.0	8.6
Bbs9	2.6	2.6	2.7	2.1	1.9	2.9	1.9	1.6	1.8	1.8	1.8	2.2
Bbx	10.1	10.1	10.7	12.2	9.2	12.6	8.6	9.6	8.0	11.2	11.5	10.1
BC002163	3.5	3.8	7.4	4.0	3.2	2.7	2.5	2.3	2.9	2.5	2.9	5.5
BC003331	31.8	28.4	26.2	37.4	27.0	31.8	23.5	22.6	25.2	27.5	31.6	31.2
BC003965	4.8	4.7	3.4	5.3	4.6	4.7	3.4	3.7	4.0	4.8	4.1	3.7
BC004004	24.8	18.5	17.4	28.1	20.2	22.4	22.6	18.8	18.6	22.8	22.4	22.4
BC005537	24.3	25.7	23.0	28.1	32.0	24.1	23.4	26.3	27.4	18.7	22.1	19.9
BC005561	1.1	1.8	2.3	1.3	1.5	1.6	1.8	1.9	1.3	1.6	1.9	1.8
BC005624	39.2	33.3	41.7	56.9	33.8	44.2	36.2	37.3	25.7	31.6	38.3	43.2
BC005764	0.9	1.1	1.0	0.6	1.2	0.7	0.9	1.1	1.2	1.2	0.7	0.9
BC006965	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
BC016423	5.4	5.8	4.9	5.3	5.7	5.2	5.5	5.9	5.3	5.5	6.3	5.7
BC016579	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
BC017158	6.0	5.7	5.8	6.8	5.5	7.3	6.3	6.8	5.8	4.8	5.2	5.8
BC017612	7.7	6.1	4.8	6.5	4.9	7.0	5.7	4.5	6.8	5.9	7.0	6.4
BC017643	13.3	12.5	12.4	14.1	15.0	13.5	14.1	13.4	14.1	13.6	13.5	13.4
BC018242	2.0	2.9	2.5	2.1	2.1	2.5	2.2	2.2	2.1	1.5	1.8	1.5
BC018473	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
BC018507	7.8	9.1	8.6	7.9	8.9	8.5	8.7	9.5	9.5	8.4	9.2	8.5
BC020402	0.9	0.8	0.7	0.5	0.8	0.9	1.3	1.2	0.8	0.9	0.8	1.0
BC021767	0.6	0.4	0.4	0.6	0.3	0.4	0.3	0.3	0.3	0.6	0.5	0.3
BC021785	0.2	0.2	0.3	0.3	0.4	0.6	0.2	0.4	0.2	0.2	0.2	0.3
BC021891	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1
BC022687	11.8	8.2	5.6	8.4	6.7	11.3	6.5	6.7	6.1	10.8	7.6	8.8
BC023829	10.6	12.6	11.7	12.4	11.8	12.1	11.8	11.5	10.9	12.3	12.1	13.7
BC024139	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC024582	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
BC024978	0.8	0.6	1.0	0.9	0.8	0.9	1.0	0.7	1.0	0.9	0.9	0.6
BC025920	0.4	0.3	0.5	0.2	0.3	0.5	0.1	0.2	0.2	0.2	0.1	0.2
BC026585	9.1	8.4	7.2	9.0	5.7	10.7	5.9	5.8	4.4	3.7	7.1	6.6
BC026590	3.3	3.3	3.1	3.7	3.3	3.7	2.8	3.5	2.7	3.2	4.1	2.8
BC027231	4.4	5.0	4.8	4.5	4.5	4.2	5.3	4.7	4.6	4.7	5.5	5.6
BC028528	9.5	14.1	19.1	24.0	25.0	17.1	18.4	12.0	16.8	15.5	17.3	18.7
BC029214	7.1	5.7	5.5	6.6	4.2	7.0	6.1	8.3	7.6	5.4	6.0	6.0

Online Table 1

BC029722	28.3	19.5	18.4	27.1	24.8	25.4	22.8	20.3	20.5	31.0	28.5	26.5
BC030307	0.6	0.5	0.3	0.3	0.5	0.4	0.5	0.5	0.4	0.5	0.4	0.4
BC030336	3.9	4.3	5.0	4.5	4.2	4.7	3.7	4.0	4.5	4.7	4.9	5.2
BC030476	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC030867	0.2	0.8	0.5	0.0	0.8	0.1	0.8	0.4	0.7	0.4	0.4	0.2
BC031181	100.6	82.5	72.4	114.8	83.6	94.5	85.4	76.7	74.2	89.9	93.0	95.7
BC031361	0.5	0.4	0.3	0.4	0.4	0.5	0.3	0.5	0.4	0.7	0.5	0.5
BC033916	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
BC035044	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC037032	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.0	0.2
BC037034	3.5	3.2	2.6	4.5	4.7	2.9	3.9	2.8	3.8	5.4	2.7	2.9
BC037704	0.1	0.0	0.2	0.1	0.2	0.0	0.0	0.1	0.2	0.3	0.2	0.3
BC039771	0.1	0.3	0.5	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2
BC048403	1.3	1.7	1.1	1.4	1.5	1.2	1.6	1.6	1.3	1.1	1.6	1.2
BC048644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
BC049715	0.4	0.1	0.1	0.3	0.5	0.2	0.0	0.0	0.0	0.2	0.0	0.0
BC049762	0.6	0.1	0.4	0.1	0.5	0.3	0.3	0.4	0.2	0.5	0.3	0.5
BC051019	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0
BC051142	0.6	0.5	0.5	0.8	0.4	0.6	0.3	0.5	0.2	0.7	1.0	0.5
BC051226	2.5	2.9	2.9	2.3	1.7	4.2	2.2	2.3	2.6	1.7	3.1	1.3
BC051628	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
BC052040	0.5	0.7	0.8	0.4	0.6	0.7	0.8	0.9	0.8	0.5	0.6	0.7
BC052688	0.3	0.6	0.8	0.3	0.5	0.1	0.1	0.6	0.6	0.4	0.3	0.2
BC053749	0.2	0.5	0.6	0.3	0.3	0.2	0.3	0.3	0.4	0.2	0.2	0.2
BC055111	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
BC055324	1.1	1.7	2.0	0.7	1.6	1.0	1.7	1.6	1.8	1.5	1.6	1.1
BC056474	37.7	30.2	23.7	43.9	29.1	36.8	31.3	30.7	26.1	27.3	29.1	27.0
BC061194	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0
BC064078	0.0	0.1	0.0	0.3	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.1
BC065397	0.2	0.2	0.3	0.2	0.3	0.1	0.2	0.3	0.3	0.1	0.2	0.2
BC068157	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
BC068281	2.3	2.3	2.6	1.8	1.9	2.1	2.4	2.5	1.9	2.2	2.1	2.5
BC090627	0.4	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.1	0.2	0.0	0.2
BC096441	1.9	1.1	1.1	1.8	2.9	1.0	1.2	1.5	1.7	1.8	1.3	2.2
Bc1	2.3	0.0	1.2	0.0	1.3	0.1	0.8	0.6	1.8	1.2	0.4	0.0
BC100451	2.5	1.8	1.6	2.6	1.8	2.2	2.4	1.9	1.5	2.7	2.7	2.6
BC125332	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bcam	8.0	8.9	8.0	10.4	9.4	12.5	10.2	5.2	9.1	9.7	8.9	8.7
Bcan	0.1	0.1	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Bcap29	10.1	11.1	11.1	13.2	12.0	13.5	10.0	8.6	8.5	9.4	13.4	11.4
Bcap31	155.5	137.2	123.1	166.3	141.5	167.8	143.4	138.0	131.1	148.1	166.3	155.5
Bcar1	11.7	13.1	11.6	11.6	13.3	11.3	16.0	13.6	15.5	14.6	15.1	13.5
Bcar3	0.4	0.1	0.2	0.4	1.0	0.2	0.4	0.4	0.5	1.5	1.0	0.7
Bcas1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Bcas2	22.6	19.0	21.0	25.3	19.0	23.2	18.4	21.1	17.1	19.9	18.2	19.3
Bcas3	8.6	7.9	7.4	8.8	7.3	9.6	7.5	8.4	6.8	7.5	7.3	7.3
Bcat1	3.1	2.3	2.6	3.7	3.1	3.5	7.2	10.5	7.3	4.1	7.4	4.2
Bcat2	7.2	7.3	7.0	7.5	8.7	9.6	6.6	7.5	7.8	7.4	6.2	6.4
Bccip	32.6	22.3	24.9	37.9	28.5	31.9	22.9	24.4	20.9	24.5	26.9	27.5
Bcdin3d	1.8	1.8	2.0	2.7	1.5	1.7	2.0	1.9	1.6	1.9	1.8	2.2
Bche	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.4	0.2	0.2
Bckdha	17.9	17.0	15.0	19.2	15.4	19.6	15.5	18.5	16.5	22.6	16.9	19.3
Bckdha	3.9	4.6	5.1	3.6	3.8	4.6	4.3	4.5	4.0	4.8	4.0	4.3
Bckdk	12.3	12.7	13.4	12.2	10.4	12.6	12.0	13.0	12.0	11.2	11.7	11.5
Bcl10	28.1	23.2	25.6	22.7	26.2	18.4	27.8	24.9	26.1	33.0	30.3	28.5
Bcl11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bcl2	2.3	2.3	2.3	3.8	4.2	3.4	1.5	1.3	1.7	2.4	1.5	1.5

Online Table 1

Bcl2a1a	0.5	0.0	0.0	2.4	4.5	0.0	1.0	0.1	0.3	0.2	0.3	0.4
Bcl2a1b	1.8	0.1	0.1	7.9	15.0	0.2	1.8	0.2	0.3	0.8	0.4	1.5
Bcl2a1d	0.8	0.1	0.0	2.9	8.0	0.1	1.6	0.2	0.4	0.5	0.4	0.6
Bcl2l1	38.4	41.7	32.9	42.8	44.4	41.3	38.4	30.0	35.3	39.6	38.8	33.8
Bcl2l10	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Bcl2l11	0.7	1.1	1.7	0.7	1.8	0.9	1.1	1.4	1.5	1.9	1.1	1.3
Bcl2l12	3.7	3.6	3.9	3.2	3.8	3.5	4.5	4.2	4.4	3.7	3.4	2.7
Bcl2l13	4.1	3.9	3.6	3.7	3.5	3.5	3.5	3.5	3.2	3.4	3.3	3.0
Bcl2l14	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Bcl2l15	0.2	0.0	0.4	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bcl2l2	32.1	29.1	24.6	40.0	30.5	35.0	29.2	21.2	29.2	27.6	30.5	28.0
Bcl3	2.5	3.4	4.8	1.8	5.2	1.6	4.0	6.5	4.7	3.8	3.5	3.4
Bcl6	6.3	7.1	8.7	9.0	8.9	8.5	6.8	6.9	6.1	6.1	5.9	5.6
Bcl6b	0.5	0.2	0.3	0.1	0.2	0.0	0.3	0.7	0.3	0.1	0.1	0.1
Bcl7a	0.7	0.8	0.9	1.1	0.6	1.2	0.8	0.8	0.7	0.9	1.0	0.9
Bcl7b	16.3	11.9	11.2	18.7	12.2	14.9	15.7	12.1	11.8	12.3	14.2	13.3
Bcl7c	8.8	6.9	8.2	8.4	6.6	6.7	7.7	7.6	8.5	8.9	7.3	8.3
Bcl9	0.7	0.9	1.0	0.7	0.7	0.8	0.7	1.0	0.8	0.8	0.6	0.7
Bcl9l	2.5	4.7	4.5	2.9	3.2	2.9	4.3	4.5	4.3	3.1	2.7	2.8
Bclaf1	20.0	17.6	23.9	22.4	19.6	16.7	26.5	25.0	21.1	22.7	28.0	27.8
Bcmo1	0.3	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.1	0.1	0.1	0.1
Bco2	0.3	0.2	0.1	0.4	0.3	0.4	0.3	0.1	0.1	0.2	0.1	0.1
Bcor	4.2	4.6	4.9	3.7	4.2	3.8	5.1	4.1	4.3	3.7	4.0	4.0
Bcorl1	0.7	1.0	1.1	0.7	0.8	0.7	1.2	1.0	1.0	0.7	1.0	0.7
Bcr	9.7	11.0	11.8	7.1	8.1	9.1	10.0	10.7	8.5	10.4	9.4	9.0
Bcs1l	6.6	6.9	7.0	6.1	4.9	6.1	5.9	6.8	6.0	7.0	7.2	6.8
Bdh1	0.5	0.5	0.5	0.6	0.8	0.4	0.8	1.3	1.1	0.6	1.1	0.5
Bdh2	7.4	6.4	5.7	4.6	3.3	7.7	2.3	6.4	3.4	3.1	3.3	3.3
Bdkrb1	0.2	0.2	0.2	0.0	0.1	0.0	0.2	0.1	0.1	0.2	0.2	0.2
Bdnf	31.0	25.7	22.4	35.1	25.8	26.4	30.6	16.5	24.2	17.7	26.2	27.8
Bdp1	6.6	7.1	7.6	6.9	6.7	5.7	6.6	5.5	5.8	6.1	7.4	7.3
Bean1	1.0	1.0	0.9	1.8	0.7	2.0	0.6	0.6	0.6	0.4	0.5	0.5
Becn1	88.6	68.6	61.6	111.6	72.3	94.2	73.4	57.0	59.6	63.4	70.9	74.9
Begain	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3
Bend3	1.0	1.3	1.1	1.3	1.1	1.1	1.7	1.6	1.5	1.1	1.3	1.2
Bend4	1.1	1.1	0.6	1.0	1.0	1.0	0.8	0.4	0.7	1.2	1.1	0.8
Bend6	3.5	3.4	2.7	4.8	3.3	4.5	3.0	3.3	2.1	2.1	2.7	1.9
Bend7	0.2	0.1	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.2	0.0	0.1
Best1	0.4	0.6	0.8	0.3	0.9	0.5	0.5	0.4	0.2	0.5	0.4	0.4
Best3	0.4	0.2	0.1	0.2	0.1	0.3	0.2	0.1	0.0	0.2	0.0	0.1
Bet1	16.1	18.4	19.5	20.3	18.5	21.7	14.8	18.4	18.3	19.2	21.9	19.9
Bet1l	30.8	25.0	20.1	24.4	24.4	23.6	23.2	22.1	25.6	26.3	24.6	25.2
Bet3l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0
Bex1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Bex2	0.5	0.7	0.7	0.3	0.4	0.5	0.6	0.5	0.6	0.7	0.6	0.3
Bex4	0.1	0.2	0.0	0.5	0.3	0.3	0.0	0.1	0.1	0.3	0.3	0.3
Bfar	19.2	17.8	19.9	19.1	18.4	16.6	20.0	20.6	19.3	19.7	20.4	22.0
Bfsp1	0.5	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.2	0.3	0.5	0.6
Bfsp2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Bglap	0.2	0.3	0.4	0.8	0.3	0.2	0.1	0.1	0.0	0.4	0.0	0.2
Bglap2	0.2	0.5	0.3	0.4	0.5	0.2	0.1	0.1	0.0	0.3	0.0	0.1
Bgn	858.2	950.3	1109.6	1106.3	1092.3	1188.2	1202.8	985.2	852.7	728.8	782.9	773.0
Bhlha15	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Bhlhb9	7.9	10.8	11.5	7.1	7.7	10.8	7.8	9.9	9.4	11.0	9.4	9.1
Bhlhe22	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.2
Bhlhe40	16.1	20.1	20.5	12.2	21.1	16.9	18.9	18.6	17.2	15.7	16.7	17.4
Bhlhe41	1.9	1.8	1.8	2.8	2.0	2.4	1.0	1.5	0.9	1.8	1.3	1.3

Online Table 1

Bicc1	51.3	83.7	126.7	43.7	59.6	39.5	73.2	115.0	75.8	63.1	67.2	95.8
Bicd1	1.9	1.6	1.2	1.7	1.2	2.3	1.4	1.5	1.2	1.9	2.2	1.5
Bicd2	48.3	52.4	43.8	55.1	41.9	58.3	55.5	53.4	48.8	33.5	51.4	39.7
Bid	24.7	17.4	13.2	36.8	27.1	26.4	25.8	19.2	18.4	20.3	25.9	21.1
Bik	0.1	0.0	0.1	0.2	0.5	0.0	0.3	0.1	0.1	0.0	0.0	0.1
Bin1	29.2	33.0	31.3	35.3	30.2	32.9	27.4	34.2	23.8	27.4	29.3	22.2
Bin2	0.5	0.0	0.0	3.5	6.9	0.0	0.9	0.1	0.2	0.5	0.1	0.2
Bin3	14.6	14.9	14.1	16.0	17.0	14.9	16.2	17.4	13.6	13.6	17.3	15.5
Birc2	17.7	18.0	21.9	15.0	22.6	14.7	13.3	13.5	15.5	12.3	12.1	17.8
Birc3	7.8	6.8	7.3	9.6	13.3	6.4	9.0	6.3	6.0	4.9	5.7	6.9
Birc5	3.5	7.8	12.7	2.0	12.6	1.5	15.1	5.6	11.5	5.2	9.4	7.7
Birc6	12.7	13.6	12.1	12.7	14.3	11.4	13.5	13.8	11.9	12.4	13.5	11.6
Birc7	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0
Bivm	5.7	5.8	6.0	6.7	4.3	6.7	4.6	6.1	5.5	5.2	5.6	6.0
Blcap	15.7	15.9	14.7	19.3	18.4	16.8	15.1	12.9	15.5	15.8	15.9	14.1
Blk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blm	0.8	1.1	1.7	0.5	1.4	0.6	1.4	1.0	1.2	0.6	1.1	0.8
Blmh	14.7	16.6	19.2	15.7	15.1	15.8	13.0	17.5	17.5	15.5	14.7	16.8
Blnk	0.4	0.0	0.0	2.6	6.1	0.0	0.8	0.1	0.1	0.3	0.1	0.2
Bloc1s1	75.8	65.3	66.2	72.0	62.9	78.4	69.8	87.5	73.8	77.6	78.0	75.6
Bloc1s2a	27.4	26.7	23.3	24.5	27.4	25.2	22.9	21.2	23.7	30.0	24.7	21.7
Bloc1s3	5.5	5.2	5.1	6.3	5.6	6.2	5.6	5.4	5.6	5.7	4.9	5.2
Bloc1s4	9.0	7.6	7.4	8.8	8.9	8.4	8.1	7.3	9.3	9.5	8.3	9.5
Bloc1s5	10.8	10.4	9.1	10.2	9.2	9.5	8.2	9.7	8.2	9.0	8.8	9.9
Bloc1s6	6.8	6.9	5.9	7.2	6.8	6.8	5.1	5.7	5.7	5.9	6.1	5.6
Blvra	13.8	13.6	14.7	14.5	18.3	14.3	12.7	14.9	11.7	12.3	12.7	14.7
Blvrb	55.2	58.1	37.3	134.3	95.2	115.1	28.8	39.4	17.6	22.5	21.9	20.4
Blzf1	8.0	7.9	8.1	9.4	7.4	7.7	7.6	7.4	7.9	7.2	9.7	9.4
Bmf	0.4	0.7	0.7	0.4	0.5	0.4	0.4	1.1	0.7	0.6	0.5	0.4
Bmi1	13.8	14.0	16.0	17.7	13.4	18.6	12.7	12.2	13.0	13.9	17.9	18.1
Bmp1	65.2	59.2	62.0	49.0	76.8	52.2	82.4	74.9	90.7	84.6	73.8	80.3
Bmp15	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bmp2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Bmp2k	6.5	8.0	8.0	6.7	8.3	5.4	7.2	6.1	7.3	12.5	8.6	9.2
Bmp3	0.3	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0
Bmp4	56.4	51.5	51.0	36.8	29.9	25.4	43.0	45.1	50.9	33.5	49.3	49.9
Bmp5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bmp6	40.3	52.2	42.2	45.7	40.9	47.1	48.6	48.6	44.0	33.2	35.6	30.3
Bmp8a	0.6	0.4	0.2	0.5	0.5	0.6	0.5	0.2	0.3	0.4	0.4	0.3
Bmp8b	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Bmper	12.5	14.6	15.1	10.5	13.7	9.0	25.5	28.7	36.1	43.7	32.4	42.0
Bmpr1a	29.4	34.0	39.5	28.3	27.9	29.6	31.4	35.9	35.3	42.8	42.0	46.1
Bmpr1b	0.4	0.2	0.2	0.5	0.3	0.3	0.3	0.2	0.1	0.6	0.6	0.4
Bmpr2	14.1	16.4	18.7	15.0	13.8	15.2	16.6	14.5	12.4	13.5	14.6	15.5
Bms1	15.3	14.3	16.6	19.0	17.0	15.9	16.3	15.3	14.0	13.7	17.0	16.1
Bmx	5.9	10.3	24.6	1.0	3.4	0.8	8.0	19.4	7.8	6.5	5.7	10.9
Bmyc	2.7	2.8	3.7	4.0	3.7	3.8	4.0	4.7	4.9	3.9	2.9	4.3
Bnc1	14.3	6.2	3.6	6.1	1.9	5.6	1.5	1.8	2.3	19.9	11.1	7.0
Bnc2	2.2	3.8	6.5	2.3	3.2	2.3	4.6	5.2	4.9	4.1	3.9	5.2
Bnip1	11.4	10.9	10.1	9.9	11.2	10.8	11.9	9.8	10.4	9.9	10.9	10.3
Bnip2	39.9	35.8	32.2	49.8	35.0	41.9	36.6	29.4	32.1	34.9	39.1	37.5
Bnip3	23.0	25.5	25.0	24.3	22.8	31.3	24.1	17.1	26.1	22.0	23.6	31.4
Bnip3l	30.0	34.6	33.3	37.8	32.6	38.9	30.8	33.3	31.4	41.2	36.2	39.3
Bnpl	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1
Boc	5.9	7.1	7.9	4.8	4.9	4.7	8.8	8.5	8.6	6.4	6.3	7.4
Bod1	39.3	36.3	26.2	43.5	26.6	47.2	28.9	28.0	29.3	28.5	29.8	27.7
Bod1l	23.5	24.0	21.6	24.4	19.7	19.2	23.8	18.2	18.3	18.4	25.9	22.8

Online Table 1

Bok	4.3	4.3	3.9	4.6	8.8	4.5	7.2	5.2	7.6	7.1	5.2	5.7
Bola1	9.9	9.6	9.2	8.2	9.4	9.2	11.2	9.8	10.7	9.5	10.5	9.2
Bola2	109.9	78.9	66.8	103.3	86.2	119.1	91.8	84.1	85.8	86.3	81.6	78.8
Bola3	64.4	46.7	50.5	88.5	51.3	74.9	56.4	46.1	40.2	47.4	55.1	53.9
Bop1	19.8	17.4	14.6	19.6	19.8	16.6	19.9	17.1	17.3	18.1	18.0	15.7
Bora	0.7	1.1	1.2	0.4	1.3	0.4	1.2	1.0	1.4	0.9	1.1	0.7
Bpgm	14.4	12.2	9.8	17.3	10.7	16.9	10.9	9.0	7.5	8.3	10.3	9.7
Bphl	25.4	24.0	19.9	26.8	21.0	26.5	18.7	20.2	20.6	22.4	20.9	20.3
Bpnt1	24.0	22.9	20.1	25.2	21.4	24.6	22.0	16.3	18.8	22.9	25.2	21.4
Bptf	7.6	7.7	8.1	8.5	7.5	6.9	8.5	7.5	7.1	8.4	9.2	8.7
Braf	5.6	7.5	7.1	5.8	4.8	5.6	5.6	5.0	5.7	5.6	6.2	6.1
Brap	16.0	14.6	15.8	18.1	15.7	16.4	16.2	15.4	14.7	15.8	16.8	16.8
Brat1	5.1	5.0	4.5	3.9	5.1	5.0	4.7	4.4	5.3	4.8	3.7	4.2
Brca1	1.3	2.4	3.6	0.8	3.1	0.9	3.2	1.9	2.6	1.4	2.0	1.8
Brca2	0.6	1.0	1.3	0.3	0.7	0.5	1.0	0.8	0.7	0.5	0.8	0.5
Brcc3	10.3	9.5	8.2	9.4	8.2	9.8	6.1	8.3	8.0	7.6	9.4	8.8
Brd1	9.7	11.5	11.3	9.2	10.0	11.3	10.7	10.3	10.9	9.4	11.4	10.2
Brd2	29.1	27.7	26.3	33.1	30.1	31.3	35.8	32.3	30.8	37.3	35.2	34.1
Brd3	8.2	10.5	10.7	8.8	8.8	8.9	11.6	10.4	9.2	7.9	9.2	9.7
Brd4	1.5	1.6	2.5	1.1	2.1	1.5	3.3	2.8	2.4	2.1	2.1	2.0
Brd7	15.2	16.8	21.4	17.2	18.2	15.1	17.4	21.2	16.3	17.2	21.1	22.7
Brd8	7.7	7.7	9.0	7.9	7.5	7.0	9.1	9.4	9.1	7.5	9.1	8.8
Brd9	12.9	13.1	16.7	15.0	12.3	14.7	17.4	15.5	13.8	11.9	15.6	15.9
Brdt	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.3
Bre	33.8	30.8	25.6	34.8	27.5	34.6	27.9	31.3	25.7	25.4	31.3	28.3
Brf1	9.5	10.1	9.0	9.2	9.4	10.4	10.3	10.0	9.5	8.4	8.8	9.7
Brf2	5.2	4.6	4.8	5.0	3.9	5.0	4.6	4.6	4.7	4.2	3.8	4.2
Bri3	22.8	20.7	21.5	28.7	20.0	27.3	19.1	19.8	21.5	27.1	19.6	24.2
Bri3bp	4.0	4.2	4.2	4.1	3.5	5.1	4.0	3.4	3.4	3.8	3.2	3.6
Bricd5	0.8	0.8	0.6	1.3	0.9	1.0	1.5	0.5	0.8	0.7	1.4	0.5
Brip1	0.6	1.1	1.8	0.4	1.6	0.4	1.8	0.8	1.3	0.9	1.2	1.1
Brix1	9.9	11.6	11.5	10.7	10.4	10.1	10.6	10.9	8.4	12.0	11.9	12.3
Brk1	82.2	76.6	67.4	83.5	78.6	85.1	75.9	77.5	81.4	92.9	82.2	76.7
Brms1	7.2	6.6	7.5	6.7	9.1	5.9	6.5	8.4	7.2	7.3	7.3	7.5
Brms1l	13.1	12.8	15.2	12.1	11.0	11.5	12.8	13.9	13.0	11.0	12.3	12.4
Brox	31.5	29.1	26.2	35.1	32.7	31.3	29.2	24.5	28.3	29.5	30.9	30.0
Brpf1	3.7	3.9	4.7	4.0	5.1	3.5	5.6	4.8	4.6	3.6	4.0	4.2
Brpf3	1.5	1.8	2.2	1.1	1.8	1.7	2.2	2.2	2.0	1.6	1.6	1.6
Brsk1	2.2	3.7	3.2	2.4	3.1	2.5	4.2	1.9	3.9	2.9	3.2	3.5
Brsk2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Brwd1	19.0	17.8	15.2	16.6	15.9	17.4	13.7	14.4	15.1	18.7	16.4	15.4
Brwd3	2.0	2.4	2.6	1.8	2.3	1.5	2.1	2.3	2.1	2.0	2.8	2.7
Bscl2	29.9	29.8	26.8	23.6	29.2	24.2	25.4	25.7	25.8	30.7	25.2	29.1
Bsdc1	30.0	26.9	22.5	32.3	26.0	28.3	24.8	22.0	23.8	26.5	27.4	26.0
Bsg	288.1	269.8	248.6	319.5	260.5	325.4	255.4	238.3	266.5	301.3	277.4	333.5
Bsn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bspry	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0
Bst1	1.2	0.7	0.5	1.4	1.7	0.9	1.0	0.4	0.3	0.8	0.4	0.3
Bst2	167.8	83.3	58.8	279.6	110.3	133.5	39.5	27.9	33.0	39.6	25.5	60.7
Btaf1	11.2	11.9	10.8	11.5	11.5	11.5	11.3	11.2	12.0	12.5	13.1	13.0
Btbd1	45.6	38.4	33.6	52.3	35.5	49.6	35.6	29.8	32.3	37.8	39.4	41.4
Btbd10	14.8	16.0	12.5	16.8	14.0	15.0	14.5	12.6	13.4	12.1	14.8	14.3
Btbd11	0.6	0.3	0.3	0.4	0.3	0.6	0.3	0.2	0.2	0.2	0.2	0.2
Btbd16	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Btbd19	4.4	3.1	2.5	5.1	3.5	3.8	3.6	2.5	2.8	3.4	2.7	2.3
Btbd2	6.6	7.7	8.6	7.0	6.4	8.3	6.5	7.9	7.6	7.7	5.9	6.1
Btbd3	2.5	3.7	4.4	2.4	4.1	2.8	4.5	6.3	6.6	4.5	4.8	4.0

Online Table 1

Btbd6	2.9	3.5	3.3	3.1	3.3	4.1	2.2	3.2	2.7	3.4	3.0	2.6
Btbd7	14.4	15.9	15.9	15.2	13.4	14.2	15.7	15.9	16.2	13.5	17.2	15.4
Btbd8	2.4	2.1	1.4	1.5	1.5	1.2	1.4	1.8	1.5	2.1	1.8	1.7
Btbd9	2.6	2.5	2.8	2.3	2.6	2.3	2.6	2.6	2.7	3.2	2.8	2.4
Btc	1.3	1.1	1.3	0.9	0.9	1.4	1.2	1.6	0.7	0.8	1.4	1.2
Btd	11.6	12.7	16.1	11.0	13.3	11.3	16.3	15.3	15.0	11.9	12.2	13.1
Btf3	254.4	222.5	196.0	222.6	208.1	221.6	203.3	230.3	217.1	252.7	270.5	237.8
Btf3l4	14.4	13.0	12.6	12.6	12.0	13.4	11.2	14.4	13.5	17.1	15.0	14.8
Btg1	6.2	6.9	6.9	6.7	10.9	5.3	6.7	6.5	8.3	9.6	6.7	8.4
Btg2	16.0	16.2	15.4	14.3	16.1	13.9	11.7	9.0	13.8	48.4	17.0	17.0
Btg3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	8.2	1.1	0.0	0.0	5.1
Btk	0.3	0.0	0.0	1.6	3.7	0.0	0.6	0.1	0.0	0.2	0.1	0.1
Btla	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btn2a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btnl9	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Btrc	4.3	4.4	3.6	4.5	3.2	4.2	3.8	3.6	3.4	3.7	4.1	4.1
Bub1	0.8	2.1	3.2	0.6	3.2	0.4	3.6	1.3	3.1	1.5	2.4	1.6
Bub1b	2.5	4.6	6.9	1.7	5.5	1.8	6.8	3.8	5.3	3.3	5.1	4.1
Bub3	31.6	28.5	26.5	32.2	30.3	28.3	32.4	29.5	29.9	28.6	30.8	27.1
Bud13	3.3	2.9	3.6	3.3	3.1	3.0	3.7	3.3	3.2	2.9	3.6	3.4
Bud31	32.1	27.2	27.0	35.4	28.6	26.1	26.7	30.1	30.9	32.9	34.2	28.7
Bves	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Bysl	9.9	8.9	8.3	9.9	9.3	8.7	11.4	9.4	9.6	9.9	9.5	9.6
Bzrap1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bzw1	79.4	68.8	57.9	76.2	74.3	68.4	63.1	63.8	67.8	78.0	78.0	74.7
Bzw2	8.9	8.1	7.7	7.0	8.3	7.4	9.1	12.8	10.2	12.1	13.6	10.2
C030006K11Rik	5.0	5.0	3.8	6.1	3.6	5.9	4.3	6.0	5.4	5.7	4.2	5.6
C030016D13Rik	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.1	0.2
C030030A07Rik	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0
C030034I22Rik	0.4	0.4	0.5	0.4	0.4	0.4	0.6	0.5	0.3	0.5	0.5	0.5
C030034L19Rik	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C030037D09Rik	2.5	2.1	2.2	3.5	2.7	3.2	1.9	1.7	2.1	1.5	1.4	1.7
C030039L03Rik	0.5	0.5	0.6	0.4	0.5	0.7	0.3	0.4	0.5	0.5	0.5	0.5
C030046E11Rik	9.0	10.6	10.2	7.8	8.6	7.9	8.6	8.8	9.0	9.3	9.4	8.9
C130021I20Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C130026I21Rik	0.8	1.2	1.5	0.8	1.1	0.7	0.6	0.5	0.5	0.9	0.7	0.9
C130026L21Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C130036L24Rik	0.4	0.5	0.2	0.4	0.2	0.5	0.6	0.4	0.5	0.3	0.2	0.2
C130050O18Rik	0.1	0.1	0.1	0.6	1.3	0.0	0.2	0.1	0.1	0.2	0.1	0.1
C130060C02Rik	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.0	0.2	0.0	0.1	0.1
C130074G19Rik	1.7	1.3	1.2	0.7	0.4	0.5	0.8	0.8	0.7	0.7	0.9	1.1
C130079G13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C130083M11Rik	3.7	4.0	4.3	3.6	3.2	4.1	3.0	2.8	2.9	3.7	4.2	3.9
C1d	9.3	9.5	8.9	9.1	7.2	8.5	6.9	8.2	8.1	9.0	9.8	10.1
C1galt1	11.0	12.7	15.3	6.5	12.2	9.0	10.0	13.1	13.8	10.5	14.4	14.2
C1galt1c1	19.7	16.1	13.1	19.4	16.9	16.2	16.3	14.2	18.3	21.4	19.9	21.7
C1qa	7.1	0.1	0.4	81.4	93.8	0.1	4.4	2.2	1.2	5.5	3.0	6.4
C1qb	9.6	0.0	0.4	91.0	137.0	0.0	10.5	2.5	1.7	7.9	2.5	7.5
C1qbp	37.0	27.5	26.4	38.1	29.3	34.4	26.3	26.6	20.4	30.3	32.1	27.1
C1qc	9.0	0.0	0.4	88.2	117.4	0.0	10.3	2.3	1.9	6.6	2.2	5.3
C1ql1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.2	0.1	0.0
C1ql3	4.5	3.2	2.8	6.1	3.4	5.5	4.9	3.3	4.4	4.4	5.8	5.5
C1qtnf1	0.6	0.7	1.3	0.2	0.7	0.3	0.8	2.7	1.7	2.6	1.3	1.6
C1qtnf2	6.0	2.2	2.5	10.5	3.5	5.9	5.3	3.8	3.4	2.4	3.3	3.8
C1qtnf3	0.2	0.0	0.0	0.2	0.1	0.1	0.4	0.6	0.1	1.1	2.8	0.2
C1qtnf4	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1
C1qtnf5	23.0	12.5	13.7	32.0	18.5	28.7	11.7	11.7	12.0	13.0	9.2	16.5

Online Table 1

C1qtnf6	3.4	4.7	6.1	3.4	5.3	3.1	4.6	8.7	6.2	4.3	3.6	4.4
C1qtnf7	5.9	6.1	11.5	10.5	4.5	6.3	3.8	14.4	4.0	4.3	4.8	3.9
C1qtnf9	0.7	0.3	0.4	0.1	0.0	0.0	0.5	0.6	0.5	0.0	0.0	0.2
C1ra	24.6	24.4	42.4	20.7	22.2	22.2	17.6	28.0	22.3	20.8	17.2	24.9
C1rb	10.4	10.6	17.4	7.6	9.7	9.9	7.1	11.7	9.3	8.7	6.9	10.5
C1rl	9.3	8.8	10.6	10.8	9.4	12.2	9.4	8.0	8.8	8.3	8.6	10.8
C1s	27.6	31.8	50.8	22.2	36.8	27.3	18.6	23.8	21.6	65.8	44.7	41.1
C2	4.6	3.0	2.0	3.6	2.0	3.2	0.4	0.6	0.9	7.7	2.3	2.5
C230035I16Rik	0.1	0.0	0.1	1.0	0.2	0.2	0.0	0.1	0.1	0.0	0.1	0.2
C230052I12Rik	2.1	1.8	2.2	2.5	2.4	2.1	2.0	2.4	2.2	2.5	2.0	2.0
C230081A13Rik	21.2	27.8	29.9	20.9	23.3	22.3	29.9	26.1	27.1	21.2	24.3	26.9
C230091D08Rik	2.2	2.8	3.5	3.2	2.8	3.2	2.7	3.0	2.6	2.6	3.1	3.2
C2cd2	1.6	2.1	2.7	1.2	1.4	1.3	1.6	1.9	2.0	2.0	1.7	1.9
C2cd2l	2.3	2.0	1.8	3.1	2.5	2.7	2.7	1.9	2.5	2.9	2.4	2.6
C2cd3	2.1	2.4	2.4	2.2	2.4	2.6	2.3	2.6	2.1	2.0	2.6	2.1
C2cd4c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2cd5	1.8	2.2	2.1	1.9	2.2	1.6	1.8	1.7	2.0	2.0	2.3	2.0
C3	133.4	136.7	351.0	116.0	262.7	82.3	187.7	171.4	118.1	130.3	95.3	126.8
C330005M16Rik	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330006A16Rik	7.9	5.8	5.9	7.7	7.4	7.4	6.1	5.7	6.9	9.7	6.9	6.9
C330007P06Rik	21.2	18.7	20.8	27.3	19.0	24.9	16.4	18.5	15.2	18.0	19.9	20.4
C330013E15Rik	0.9	0.7	1.0	1.0	1.0	1.4	0.7	0.9	1.0	1.2	1.1	0.9
C330013F16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330018D20Rik	6.8	6.8	5.2	7.0	5.2	7.5	4.8	5.0	5.3	6.0	6.2	6.3
C330021F23Rik	2.2	2.2	2.0	2.6	2.1	1.8	2.2	2.5	1.6	2.0	2.2	2.7
C330024C12Rik	0.1	0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
C330024D21Rik	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2
C330027C09Rik	1.4	2.5	4.4	0.9	3.8	1.0	4.8	2.2	4.2	2.0	3.5	2.7
C3ar1	1.9	0.1	0.2	17.0	29.3	0.1	3.3	0.5	0.5	1.7	0.6	1.6
C430002E04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
C430049B03Rik	0.1	0.1	0.1	0.0	0.3	0.0	0.1	0.2	0.4	0.6	1.0	0.4
C4a	2.8	3.2	5.2	2.4	2.6	0.8	1.1	2.6	1.4	1.7	1.3	1.5
C4b	16.7	18.6	30.3	14.9	14.3	4.4	6.0	14.8	7.5	9.1	6.8	9.3
C4bp	0.7	0.8	0.5	0.2	0.3	0.1	0.2	0.1	0.1	0.5	0.5	0.7
C530005A16Rik	0.5	0.4	0.4	0.6	0.5	0.6	0.4	0.3	0.4	0.3	0.6	0.4
C530008M17Rik	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1
C530044C16Rik	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
C5ar1	1.0	0.0	0.1	11.7	19.6	0.0	1.6	0.4	0.2	1.0	0.3	0.8
C5ar2	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0
C630043F03Rik	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
C7	0.0	0.2	0.4	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
C730002L08Rik	0.3	0.4	0.4	0.7	0.4	0.5	0.3	0.2	0.2	0.9	0.7	0.5
C730027H18Rik	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
C730036E19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C77080	1.8	2.2	1.8	1.9	1.8	2.6	1.8	1.6	1.6	2.2	1.8	1.5
C77370	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1
C78339	24.2	20.2	18.3	21.7	17.7	21.3	20.2	17.7	21.1	23.1	25.0	22.4
C87198	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
C87436	4.8	5.8	5.1	4.6	4.2	5.4	4.6	4.9	4.8	4.6	4.3	4.2
C8g	0.7	0.8	0.6	0.4	0.6	1.3	0.4	0.8	0.5	0.6	0.5	0.8
C9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
C920006O11Rik	0.8	1.2	0.9	0.6	0.8	1.3	0.7	1.0	0.9	1.1	0.7	1.1
C920009B18Rik	1.0	0.5	0.4	1.1	1.1	0.5	0.6	0.2	0.2	0.3	0.5	0.4
C920021L13Rik	0.1	0.2	0.3	0.2	0.1	0.3	0.5	0.4	0.3	0.1	0.1	0.1
C920025E04Rik	2.4	1.9	1.7	4.1	2.9	3.2	2.0	1.3	1.5	1.6	0.8	2.0
Caap1	4.3	4.1	5.0	4.6	3.8	4.4	4.6	4.5	4.0	4.6	5.1	5.5
Cab39	33.1	32.3	33.3	42.9	36.4	36.0	35.8	31.2	33.9	34.5	39.5	40.7

Online Table 1

Cab39I	18.3	16.8	16.0	19.7	14.9	19.3	15.4	13.8	13.0	12.7	16.0	13.0
Cabin1	3.7	4.2	4.3	3.5	4.1	4.5	4.1	4.4	4.0	3.5	3.6	3.2
Cables1	0.6	1.0	1.6	0.5	0.6	0.5	0.4	1.4	0.7	0.9	0.5	0.8
Cables2	2.5	2.6	2.5	2.0	2.6	2.5	2.9	2.6	2.5	2.7	2.4	2.2
Cabp1	0.7	0.4	0.4	0.6	0.5	0.2	0.4	0.7	0.4	0.4	0.7	0.5
Cabp4	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.2
Cabyr	0.3	0.4	0.2	0.5	0.2	0.1	0.3	0.2	0.2	0.3	0.1	0.2
Cacfd1	5.4	6.0	6.3	4.9	5.8	6.6	6.3	6.0	5.0	5.8	5.5	5.5
Cachd1	2.9	3.3	3.4	4.2	3.6	3.8	3.7	2.7	3.1	2.8	2.9	2.7
Cacna1a	0.7	0.7	0.8	0.8	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.5
Cacna1b	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0
Cacna1c	0.4	1.0	1.6	0.3	0.9	0.5	1.0	1.3	1.1	1.1	1.1	1.0
Cacna1d	0.1	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.0	0.1
Cacna1e	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacna1g	0.5	1.6	2.3	0.2	0.8	0.3	1.1	1.4	1.3	3.9	2.4	1.3
Cacna1h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Cacna1i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacna1s	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Cacna2d1	4.5	4.1	4.9	3.6	4.9	4.5	4.9	5.1	4.1	4.7	5.3	5.7
Cacna2d2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacna2d3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacna2d4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacnb1	1.9	2.4	2.7	1.8	1.5	3.1	2.2	1.4	1.9	2.2	2.1	1.7
Cacnb2	0.2	0.1	0.2	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.1	0.1
Cacnb3	14.9	18.5	17.7	15.0	16.0	20.6	16.6	16.4	16.9	20.1	18.7	15.8
Cacnb4	0.3	0.4	0.4	0.3	0.2	0.4	0.3	0.3	0.2	0.2	0.3	0.3
Cacng7	8.1	9.4	9.3	10.0	7.8	14.8	12.1	9.0	8.0	7.0	6.8	6.9
Cacng8	0.0	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.2	0.3	0.0	0.2
Cactin	9.2	9.1	8.2	8.8	8.3	7.2	9.0	8.2	8.9	8.5	8.2	7.3
Cacul1	12.5	10.8	9.4	13.4	12.7	9.9	11.9	10.8	12.0	12.3	12.6	10.9
Cacybp	43.5	39.5	42.0	49.8	35.6	45.5	40.3	28.2	33.0	43.7	48.2	50.1
Cad	4.8	5.2	4.3	3.9	5.4	3.8	5.3	4.9	4.7	4.6	4.2	3.7
Cadm1	0.7	0.2	0.2	1.6	2.6	0.2	0.5	0.2	0.0	0.2	0.1	0.1
Cadm2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadm3	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1
Cadm4	1.1	1.0	0.5	1.4	0.7	1.5	1.3	2.0	4.4	11.3	4.2	3.9
Cadps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadps2	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1
Cage1	1.6	1.5	1.4	1.3	1.1	1.6	0.9	1.4	1.1	1.1	1.3	1.2
Calca	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.1	0.2	0.1
Calcb	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calcoco1	15.9	15.2	17.0	19.1	12.3	20.2	14.4	16.2	12.6	17.5	16.3	16.2
Calcoco2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Calcrl	1.7	1.7	2.1	3.9	5.1	2.7	2.6	2.7	2.2	1.5	2.4	1.8
Cald1	463.2	378.2	364.3	601.4	373.7	423.4	475.0	285.7	341.5	393.2	531.5	522.6
Calhm1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Calhm2	7.9	9.4	8.8	9.4	9.3	9.1	10.3	9.8	10.8	9.2	9.2	8.2
Calm1	128.1	103.5	92.8	159.0	137.6	128.0	119.5	121.1	116.8	133.5	140.8	128.0
Calm2	258.1	257.2	312.9	302.3	266.0	253.1	333.5	289.0	258.4	274.3	349.8	347.7
Calm3	147.7	133.2	156.9	200.0	143.8	170.5	180.9	165.0	146.6	150.1	171.2	162.8
Calm4	1.2	0.7	1.5	0.6	0.2	1.0	0.9	1.1	0.8	0.2	1.2	0.7
Caln1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Calr	841.4	652.9	695.9	966.8	658.1	669.9	907.9	764.3	658.8	784.3	919.5	994.3
Calr3	2.3	1.5	1.5	3.6	2.0	3.3	1.3	1.1	0.7	1.1	0.9	1.2
Calr4	0.4	0.5	0.3	0.3	0.3	0.3	0.7	0.4	0.6	0.3	0.5	0.5
Calu	423.1	348.8	341.7	461.6	351.7	441.4	441.1	406.9	412.9	374.0	465.2	449.8
Caly	0.1	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.1

Online Table 1

Camk1	73.3	56.4	48.3	87.9	63.2	67.2	53.7	45.1	51.3	68.0	65.5	58.8
Camk1d	0.5	0.4	0.3	1.2	1.6	0.3	0.5	0.5	0.2	0.2	0.3	0.3
Camk1g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Camk2a	0.8	0.7	0.7	0.9	0.4	0.7	0.6	0.7	0.5	0.3	0.6	0.5
Camk2b	0.3	0.2	0.2	0.4	0.2	0.3	0.2	0.0	0.1	0.1	0.1	0.1
Camk2d	14.9	13.4	13.6	14.5	13.4	14.1	14.6	14.8	15.1	19.0	18.6	19.0
Camk2g	18.1	17.5	15.9	16.5	15.8	17.0	22.2	17.8	22.2	21.3	23.2	22.1
Camk2n1	5.9	3.9	2.5	12.8	4.9	10.3	4.4	2.2	3.8	3.7	3.5	3.8
Camk2n2	2.2	2.0	2.1	3.2	2.0	2.8	2.4	1.7	1.9	2.0	1.6	1.8
Camk4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1
Camkk1	2.8	2.6	2.8	2.5	2.4	4.0	2.5	2.8	2.5	1.9	2.4	2.2
Camkk2	7.9	11.4	16.2	6.9	11.8	6.4	10.9	12.9	9.8	9.2	8.9	9.7
Camkmt	1.8	1.9	1.4	1.5	1.6	2.0	1.0	1.7	1.0	1.4	1.4	1.2
Caml	28.5	28.2	23.8	34.2	24.2	28.9	30.3	21.2	25.8	26.1	30.1	27.7
Camp	2.4	1.5	3.4	3.6	4.7	0.6	4.0	2.9	2.6	1.2	1.7	1.8
Camsap1	8.0	7.9	8.1	8.0	6.5	8.2	8.2	6.6	7.6	7.9	8.0	7.8
Camsap2	13.5	14.6	12.9	16.9	12.6	14.1	15.2	12.3	13.1	13.5	16.6	16.4
Camsap3	0.9	1.0	0.9	0.8	0.8	0.5	0.7	0.7	0.8	0.4	0.4	0.5
Camta1	0.5	0.6	0.8	0.8	0.7	0.6	0.9	0.9	0.6	0.8	0.6	0.9
Camta2	1.5	2.0	1.9	1.6	2.3	1.8	2.1	1.6	1.9	1.5	1.6	1.4
Cand1	19.7	20.3	19.0	17.8	19.0	18.4	19.9	19.1	20.0	20.8	20.9	20.4
Cand2	1.1	1.7	1.8	0.8	1.2	1.5	1.1	1.6	1.3	1.2	1.1	1.0
Cant1	15.8	15.2	16.2	14.2	15.5	17.9	16.3	17.8	18.2	17.5	15.1	16.9
Canx	325.4	284.2	277.8	348.3	278.0	328.8	292.3	284.0	263.0	286.9	340.4	348.6
Cap1	144.2	125.7	113.3	193.8	181.4	139.9	165.4	134.6	146.7	130.9	161.4	148.9
Cap2	1.2	0.7	0.4	1.8	0.7	2.1	0.6	0.5	0.5	1.7	1.2	1.2
Capg	92.4	75.4	67.1	142.4	170.1	104.2	81.9	71.1	67.7	77.7	74.3	80.5
Capn1	15.6	14.6	15.6	16.1	15.2	17.7	15.8	16.4	13.6	14.6	14.4	14.3
Capn10	3.6	3.9	3.6	3.6	3.4	3.5	4.7	4.0	4.4	4.1	4.3	4.3
Capn11	0.1	0.1	0.0	0.0	0.1	0.3	0.1	0.2	0.1	0.2	0.1	0.0
Capn12	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1
Capn2	156.6	136.6	118.8	167.2	139.4	147.9	161.8	126.8	135.9	162.8	172.4	141.0
Capn3	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Capn5	5.4	5.1	5.7	4.8	3.8	5.7	4.9	6.2	4.2	3.0	4.0	4.4
Capn6	1.1	0.2	0.4	0.0	0.1	0.1	0.1	0.6	0.3	1.3	0.4	0.6
Capn7	28.4	23.8	21.8	28.9	22.7	25.6	21.7	20.0	21.0	22.1	25.7	26.3
Capn8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capn9	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Capns1	176.9	136.8	141.7	177.8	147.0	146.5	156.3	190.4	145.1	145.9	175.0	157.7
Capns2	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Caprin1	93.9	81.1	89.6	106.5	89.1	88.4	101.1	95.5	84.0	91.8	109.5	108.0
Caprin2	1.7	2.2	2.0	1.8	1.2	2.0	1.4	1.8	1.8	1.5	2.0	2.0
Capza1	64.7	68.4	55.8	67.2	74.2	61.8	59.3	61.1	63.2	66.5	67.2	63.8
Capza2	75.4	72.4	60.3	81.7	77.7	71.0	58.1	61.2	73.2	70.8	79.7	73.8
Capzb	81.6	71.8	77.6	85.1	86.9	74.3	85.7	80.3	71.6	84.0	90.1	95.0
Car10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Car11	2.0	3.0	2.3	3.4	2.1	5.4	2.5	1.8	1.9	1.9	1.7	2.9
Car12	0.3	0.1	0.2	0.3	0.4	0.2	0.2	0.1	0.1	0.2	0.1	0.2
Car13	9.8	8.5	10.8	7.6	9.9	8.8	9.9	13.2	9.1	8.2	9.3	11.9
Car14	0.8	0.7	0.7	0.8	0.8	0.8	0.5	0.8	0.8	1.0	0.8	0.8
Car15	0.3	0.1	0.3	0.3	0.5	0.6	0.3	0.6	0.2	0.2	0.4	0.3
Car4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Car5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Car5b	3.4	4.0	3.7	3.6	3.4	4.6	3.3	3.4	2.7	2.8	3.5	3.3
Car6	3.5	0.6	0.6	4.4	0.1	3.6	1.2	0.5	0.5	0.9	1.6	1.3
Car7	0.3	0.3	0.3	0.2	0.2	0.5	0.1	0.3	0.2	0.1	0.5	0.2
Car8	1.4	0.6	0.7	1.7	0.6	2.1	0.6	0.3	0.2	0.4	0.3	0.4

Online Table 1

Car9	0.3	0.3	0.3	0.3	0.6	0.5	0.1	0.2	0.1	0.7	0.3	0.2
Card10	0.2	0.4	0.5	0.1	0.3	0.1	0.5	0.9	0.9	0.4	0.3	0.4
Card11	0.0	0.0	0.0	0.0	0.5	0.0	0.2	0.0	0.0	0.1	0.0	0.0
Card14	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Card6	0.7	0.7	0.8	0.8	0.7	0.8	0.8	0.4	0.5	0.6	0.6	0.6
Card9	0.4	0.2	0.1	1.6	3.2	0.0	0.2	0.0	0.1	0.3	0.1	0.1
Carf	2.6	2.9	2.5	1.8	2.3	2.9	1.8	2.7	2.2	2.0	2.4	2.9
Carhsp1	49.8	38.3	30.9	44.6	43.0	49.1	40.2	35.1	37.6	41.4	40.8	32.7
Carkd	43.6	40.5	39.4	43.8	38.3	44.6	39.2	32.6	38.9	42.4	40.1	41.6
Carm1	7.6	8.2	8.7	7.3	7.7	8.0	9.1	10.1	9.2	7.7	8.7	6.8
Carns1	0.7	0.7	0.7	0.6	0.6	0.8	0.6	0.6	0.7	0.6	0.4	0.5
Cars	40.7	34.2	28.9	39.1	30.5	39.5	36.3	40.7	36.1	28.5	39.3	32.0
Cars2	4.9	4.9	4.4	5.3	4.9	4.0	4.4	5.1	4.6	6.2	5.2	4.2
Casc1	0.2	0.2	0.2	0.4	0.2	0.4	0.1	0.2	0.2	0.3	0.2	0.3
Casc3	3.6	3.8	4.3	3.1	3.2	3.1	4.9	3.9	3.9	3.5	3.4	3.6
Casc4	20.4	15.9	18.2	21.9	13.7	21.4	18.6	15.9	13.6	18.2	21.5	22.3
Casc5	0.5	1.0	1.9	0.2	1.7	0.1	1.7	0.9	1.6	0.9	1.6	1.0
Casd1	7.9	9.0	11.3	8.5	9.3	7.4	8.9	9.2	11.0	9.4	10.2	10.3
Cask	8.1	8.2	8.5	7.1	7.1	6.8	10.0	9.3	10.4	7.3	9.4	9.9
Caskin1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0
Caskin2	3.0	3.5	3.5	2.8	3.1	3.6	4.0	4.0	3.4	3.0	3.0	2.6
Casp1	1.6	0.8	0.9	5.6	8.8	0.7	3.0	1.3	1.4	2.0	1.3	1.9
Casp12	12.5	12.6	15.5	8.7	12.1	8.4	11.0	14.9	14.3	14.9	13.0	18.4
Casp14	0.8	0.9	0.3	0.7	0.5	0.8	0.6	0.4	0.4	0.6	0.7	0.4
Casp2	2.4	2.9	3.4	3.1	2.9	2.5	2.8	3.2	3.0	3.0	2.9	2.7
Casp3	17.8	18.9	16.5	16.4	15.8	16.8	14.0	12.5	14.2	15.2	15.3	12.9
Casp4	20.0	16.1	22.3	14.1	23.3	11.3	15.5	11.8	14.6	13.3	12.7	21.3
Casp6	6.8	9.2	12.3	9.5	8.6	9.0	8.1	9.3	8.1	9.4	8.9	10.0
Casp7	4.0	4.6	5.7	3.6	6.2	4.0	4.9	4.8	4.5	4.6	4.3	5.1
Casp8	15.0	13.3	13.8	15.0	16.2	12.5	17.1	13.3	13.3	15.4	17.1	15.4
Casp8ap2	3.5	4.6	5.3	3.1	4.4	3.2	4.8	4.5	4.3	4.2	5.5	4.9
Casp9	3.6	4.8	4.8	3.7	5.1	3.8	4.7	6.0	4.8	3.7	3.4	3.5
Casq1	0.7	0.6	0.6	1.1	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.2
Casq2	0.5	0.4	0.1	0.8	0.4	0.4	0.4	0.4	0.4	0.2	0.6	0.2
Cass4	0.1	0.2	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Cast	73.3	60.9	62.9	69.2	60.0	64.3	61.8	60.0	51.9	52.5	68.8	65.1
Casz1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0
Cat	104.4	95.7	72.3	172.2	137.1	159.8	63.3	74.0	47.8	67.3	72.6	56.1
Catsper2	0.6	0.7	0.6	0.6	0.6	0.4	0.6	0.6	0.7	0.7	0.8	0.7
Catsper3	0.1	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Catsperd	0.3	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Catsperg1	0.3	0.4	0.2	0.1	0.2	0.3	0.1	0.1	0.2	0.2	0.3	0.1
Catsperg2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Cav1	125.4	69.6	63.8	58.9	57.0	67.9	87.2	94.9	77.7	181.3	170.8	120.1
Cav2	11.6	11.3	9.8	13.8	13.7	15.8	10.0	8.4	8.9	9.6	13.3	12.1
Cav3	4.1	4.4	4.5	3.5	2.6	2.8	3.3	4.3	3.8	1.2	2.2	2.6
Cbfa2t2	5.2	6.1	5.8	4.8	5.1	4.8	6.1	5.6	6.4	5.5	5.1	5.7
Cbfa2t3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cbfb	13.8	16.8	21.5	16.4	20.4	15.8	19.2	20.1	18.4	19.0	20.4	21.6
Cbl	2.2	2.8	2.7	2.4	3.3	2.2	3.1	2.5	2.5	2.8	2.6	2.2
Cblb	1.7	2.7	3.3	1.7	2.6	1.7	3.0	3.9	3.4	3.3	2.9	3.5
Cblc	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cbl11	0.6	1.0	1.4	1.1	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.1
Cbln3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cbr1	27.4	25.3	25.8	33.2	24.3	38.3	21.5	24.0	19.8	25.2	22.6	23.9
Cbr2	2.8	1.4	1.5	0.2	0.8	0.4	0.9	1.5	0.6	1.1	1.7	0.5
Cbr3	38.1	30.1	18.9	41.3	28.6	42.4	19.2	21.3	16.2	25.3	20.2	18.1

Online Table 1

Cbr4	12.9	14.4	13.0	11.8	11.0	14.1	12.0	12.9	12.7	13.0	13.7	13.9
Cbs	0.6	0.8	0.8	0.2	0.7	0.4	0.5	0.5	0.5	0.5	0.4	0.6
Cbwd1	10.7	11.3	10.6	11.7	9.6	11.4	8.6	10.7	9.8	10.0	11.2	10.7
Cbx1	18.6	18.5	20.5	18.5	16.0	17.9	20.0	21.4	17.0	18.4	20.2	21.0
Cbx2	1.6	2.0	1.7	1.4	1.4	1.9	1.5	1.9	1.6	1.0	1.3	1.4
Cbx3	43.8	48.0	60.4	40.8	45.0	49.0	48.0	51.0	47.8	58.3	64.0	60.3
Cbx4	2.5	3.1	3.4	2.5	2.3	2.8	2.6	2.9	2.8	2.7	2.7	2.7
Cbx5	15.1	16.9	20.2	12.6	15.6	12.7	17.4	20.7	20.2	14.5	18.9	18.5
Cbx6	6.5	8.4	9.5	6.1	6.2	8.9	7.6	9.0	8.9	10.5	7.4	7.4
Cbx7	1.2	1.4	1.8	1.9	1.3	2.1	0.7	0.7	1.0	1.0	0.9	1.2
Cbx8	4.7	5.5	4.5	3.8	4.1	5.9	4.0	3.9	3.7	5.5	3.5	4.3
Cby1	13.3	17.0	20.1	12.3	14.3	17.8	15.8	14.4	14.8	11.6	14.0	15.0
Cc2d1a	5.4	6.1	6.6	5.3	5.0	6.3	6.5	5.7	6.3	5.6	6.0	5.2
Cc2d1b	15.0	13.6	11.3	14.2	11.8	14.9	12.7	12.7	12.3	11.6	12.7	12.6
Cc2d2a	3.3	4.2	5.3	2.7	3.3	3.8	4.1	6.0	4.0	2.9	4.1	4.0
Ccar1	17.6	18.1	21.0	18.3	17.7	16.1	21.0	20.9	16.2	19.7	24.1	23.8
Ccbe1	0.6	1.2	2.5	0.2	0.5	0.2	0.4	0.9	1.1	0.9	0.5	1.3
Ccbl1	1.2	1.6	1.3	1.5	1.0	1.7	1.4	1.7	1.0	1.3	1.1	0.8
Ccbl2	2.0	2.5	2.7	1.4	1.8	1.8	1.8	2.5	2.5	2.2	2.1	1.8
Ccbp2	0.0	0.1	0.3	0.1	0.1	0.0	0.1	0.8	0.1	0.0	0.1	0.1
Ccdc101	3.1	3.3	3.0	4.3	3.6	3.1	2.1	2.9	2.7	2.7	2.8	2.0
Ccdc102a	9.8	13.1	14.4	9.8	10.8	12.0	20.3	20.3	22.1	12.4	14.7	15.1
Ccdc103	0.8	0.6	0.4	0.9	0.5	0.8	0.5	0.3	0.5	0.5	0.5	0.2
Ccdc104	43.1	36.5	41.0	52.2	35.2	41.8	38.9	32.0	29.7	38.9	47.0	45.4
Ccdc105	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1
Ccdc106	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.2
Ccdc107	28.8	24.0	21.2	27.9	24.0	27.9	26.2	20.6	27.6	28.6	25.9	26.9
Ccdc109b	16.2	16.2	15.4	23.5	20.3	19.2	19.2	14.8	13.7	11.9	18.1	12.9
Ccdc11	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Ccdc110	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1
Ccdc111	3.2	3.6	4.0	3.3	3.1	3.1	3.6	3.1	3.1	2.5	3.3	3.3
Ccdc112	1.1	1.6	1.5	0.9	1.1	1.4	1.1	1.0	1.1	1.1	1.2	1.7
Ccdc114	0.6	0.6	0.5	0.6	0.3	0.6	0.5	0.5	0.4	0.5	0.5	0.4
Ccdc115	6.7	6.6	6.5	8.5	8.2	6.4	7.5	5.9	5.9	6.5	6.9	6.4
Ccdc116	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Ccdc117	6.6	8.9	7.7	6.8	7.3	6.7	6.3	5.5	6.9	7.6	6.5	7.5
Ccdc12	24.8	22.6	23.3	29.0	33.5	20.4	26.8	26.3	28.7	27.4	23.8	26.2
Ccdc120	0.2	0.5	0.3	0.3	0.3	0.2	0.3	0.4	0.4	0.4	0.3	0.3
Ccdc121	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Ccdc122	6.1	6.6	8.3	8.1	5.9	9.4	7.5	6.2	4.8	5.0	6.8	8.3
Ccdc124	36.2	32.0	30.7	50.7	34.7	41.6	39.7	37.7	31.5	34.5	37.7	33.5
Ccdc125	0.9	0.6	0.4	0.8	0.6	0.7	0.6	0.7	0.5	0.7	0.9	0.6
Ccdc126	6.0	5.5	5.0	6.1	4.8	5.8	4.5	4.0	4.5	5.2	4.9	5.7
Ccdc127	21.9	22.0	21.9	22.4	21.3	21.3	24.6	20.7	20.9	20.8	25.5	25.7
Ccdc13	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc130	3.9	3.4	4.0	4.5	3.3	3.8	3.7	3.3	2.8	3.1	4.0	4.0
Ccdc132	12.6	13.0	10.0	14.7	12.1	13.8	10.9	11.0	10.5	11.3	11.7	11.5
Ccdc134	5.0	4.5	3.5	5.5	4.6	4.0	5.8	6.1	5.7	4.3	5.6	4.0
Ccdc135	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc136	2.2	2.0	2.6	2.2	1.5	2.4	1.8	2.5	1.9	3.1	2.4	1.8
Ccdc137	7.2	5.3	5.0	9.6	5.9	6.6	7.0	5.0	5.3	6.1	7.1	7.0
Ccdc138	0.4	0.9	0.8	0.5	0.6	0.8	0.4	0.6	0.5	0.5	0.7	0.7
Ccdc14	0.5	0.7	0.8	0.4	0.7	0.4	0.7	0.6	0.7	0.6	0.7	0.5
Ccdc141	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.4	1.2	0.5	0.3
Ccdc142	0.9	0.7	0.8	1.1	1.2	1.2	0.9	0.7	1.0	0.7	0.7	0.8
Ccdc144b	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

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Ccdc147	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Ccdc148	0.3	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.0
Ccdc149	5.4	4.6	4.2	5.1	3.5	5.4	4.3	4.3	4.5	4.8	5.6	5.5
Ccdc15	0.9	1.3	1.5	0.8	1.0	0.8	1.0	0.7	0.9	0.8	0.9	1.1
Ccdc150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc151	0.2	0.3	0.4	0.3	0.3	0.5	0.1	0.2	0.2	0.2	0.2	0.2
Ccdc152	0.3	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.1
Ccdc154	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc155	0.0	0.1	0.1	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.0
Ccdc157	3.7	3.8	4.0	4.0	3.6	4.1	3.9	3.4	4.0	3.2	3.4	3.3
Ccdc158	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.1	0.2	0.1	0.1
Ccdc159	2.1	2.8	2.8	1.8	1.8	2.9	1.9	2.6	1.8	1.4	1.8	2.2
Ccdc160	0.4	0.4	0.5	0.4	0.3	0.6	0.1	0.1	0.2	0.2	0.2	0.3
Ccdc162	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc163	3.3	3.4	3.2	2.8	3.4	4.0	3.1	3.7	3.3	2.2	3.6	3.1
Ccdc164	0.1	0.0	0.1	0.2	0.0	0.2	0.1	0.1	0.0	0.1	0.1	0.0
Ccdc166	0.5	0.4	0.5	0.3	0.7	0.7	0.2	0.4	0.5	0.5	0.4	0.4
Ccdc167	6.6	6.8	5.8	6.2	5.7	5.8	5.2	5.6	6.0	4.8	6.0	4.9
Ccdc169	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Ccdc17	1.0	1.3	1.2	0.6	0.8	0.8	1.0	1.0	1.0	0.8	1.1	0.8
Ccdc170	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
Ccdc171	1.5	1.5	1.8	1.5	1.4	1.7	1.4	1.6	1.3	1.9	1.5	1.7
Ccdc173	1.5	1.3	1.8	1.9	1.1	1.8	0.9	1.3	0.8	0.7	1.0	1.7
Ccdc174	7.5	7.8	8.5	9.2	7.4	8.6	8.2	7.1	6.5	7.2	9.2	10.3
Ccdc175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc176	0.2	0.3	0.3	0.4	0.2	0.3	0.1	0.2	0.2	0.1	0.1	0.2
Ccdc18	0.4	1.0	1.6	0.2	0.8	0.4	1.1	0.6	0.8	0.6	1.2	0.8
Ccdc19	1.4	0.7	0.5	2.4	1.2	1.3	1.5	0.6	0.6	0.9	1.1	1.3
Ccdc22	6.9	6.8	6.1	7.5	8.0	7.4	5.3	6.5	6.0	6.8	5.6	5.1
Ccdc23	21.8	19.7	16.1	25.9	21.3	22.8	19.0	21.6	21.6	25.3	21.8	17.8
Ccdc24	0.5	0.8	0.7	0.5	0.4	1.0	0.9	0.6	0.7	0.7	0.6	0.4
Ccdc25	17.7	16.8	16.6	19.7	14.5	17.0	16.1	17.5	14.6	13.6	18.2	17.8
Ccdc27	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ccdc28a	5.1	3.6	3.5	6.0	4.2	6.0	3.8	4.9	4.1	4.5	4.1	4.5
Ccdc28b	5.0	6.3	8.7	5.9	5.8	7.6	7.1	5.9	7.1	4.6	5.7	6.5
Ccdc3	0.1	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.0
Ccdc30	0.5	0.2	0.2	0.2	0.2	0.4	0.2	0.1	0.1	0.1	0.3	0.1
Ccdc32	8.6	9.0	8.6	10.4	8.5	9.4	9.2	8.5	8.1	9.0	9.1	9.6
Ccdc34	9.3	8.2	13.2	9.9	8.5	10.0	12.4	11.4	6.8	6.1	9.9	11.4
Ccdc36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc37	1.3	1.4	1.3	1.5	0.9	2.3	1.5	1.6	1.9	1.0	1.4	1.0
Ccdc38	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
Ccdc39	1.2	1.0	1.4	1.3	0.8	1.7	1.0	0.8	0.9	0.9	0.8	1.3
Ccdc40	0.3	0.3	0.2	0.5	0.2	0.4	0.2	0.1	0.0	0.2	0.2	0.2
Ccdc41	16.7	14.3	14.6	17.6	13.8	13.0	12.8	10.8	11.0	10.2	14.2	14.2
Ccdc43	9.2	8.3	7.9	11.3	7.3	11.0	6.9	7.7	6.6	7.3	9.2	8.8
Ccdc47	45.5	38.4	40.6	48.2	32.9	42.8	40.9	36.6	33.0	35.5	43.5	45.1
Ccdc50	15.2	16.2	16.6	17.4	14.9	14.4	14.1	15.5	13.6	14.7	16.7	15.3
Ccdc51	2.5	2.4	2.3	2.8	2.3	2.7	2.1	2.0	2.6	2.4	2.2	2.4
Ccdc53	41.9	44.1	41.0	38.5	31.6	36.1	31.1	35.1	35.9	37.8	42.2	41.5
Ccdc55	20.8	16.1	21.0	28.8	14.9	19.0	16.7	14.4	9.4	13.8	18.1	23.0
Ccdc57	0.5	0.4	0.5	0.5	0.4	0.7	0.3	0.4	0.3	0.4	0.2	0.3
Ccdc58	18.3	16.5	15.6	13.0	14.2	18.2	14.0	12.6	14.0	15.7	19.0	16.1
Ccdc59	18.2	17.6	16.1	20.2	13.9	18.8	15.3	14.0	14.4	15.3	16.4	17.4
Ccdc6	12.2	13.8	13.2	12.3	11.6	13.7	15.3	16.7	14.1	12.1	16.0	12.9
Ccdc61	2.3	2.2	2.1	2.5	2.4	2.2	3.3	2.9	2.9	2.7	2.0	2.2
Ccdc62	0.3	0.3	0.3	0.3	0.3	0.6	0.4	0.4	0.4	0.2	0.5	0.4

Online Table 1

Ccdc63	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
Ccdc64	1.2	1.2	0.8	1.3	1.0	2.1	1.1	0.9	1.0	1.2	1.0	1.0
Ccdc64b	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Ccdc65	1.0	0.8	0.8	1.0	0.8	1.3	0.4	0.5	0.4	0.6	0.7	0.9
Ccdc66	9.0	9.2	10.9	11.7	7.9	12.0	9.7	9.5	8.4	7.2	10.6	9.7
Ccdc68	8.5	8.0	7.0	10.7	5.9	8.5	7.3	4.6	6.0	5.6	8.9	9.2
Ccdc69	0.2	0.2	0.5	0.3	0.4	0.2	0.2	0.3	0.3	0.3	0.5	0.2
Ccdc71	7.7	7.3	7.4	8.8	7.5	8.1	7.9	7.6	7.8	7.5	8.0	7.6
Ccdc71l	3.0	3.9	5.2	3.5	3.8	2.1	3.3	4.4	4.0	3.8	3.2	4.7
Ccdc73	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1
Ccdc74a	1.0	0.8	0.8	0.8	0.8	1.6	0.8	0.8	0.3	1.0	1.0	0.7
Ccdc77	3.2	3.1	3.7	2.4	3.2	3.0	3.4	2.9	2.8	2.6	3.1	2.3
Ccdc78	0.1	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1
Ccdc79	0.3	0.5	0.3	0.4	0.3	0.4	0.2	0.2	0.3	0.3	0.3	0.3
Ccdc8	1.7	3.8	5.0	1.9	3.3	2.3	3.1	4.9	3.4	2.8	2.9	3.0
Ccdc80	354.9	369.1	544.1	317.2	333.6	251.4	525.1	762.5	634.0	446.4	525.4	591.6
Ccdc81	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ccdc82	14.8	19.2	23.6	15.5	16.9	15.1	18.1	22.0	17.1	14.1	17.2	17.0
Ccdc83	0.1	0.1	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc84	3.5	4.2	3.6	3.6	3.5	3.3	5.1	3.8	4.1	3.6	4.8	4.6
Ccdc85a	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Ccdc85b	2.6	2.1	1.9	3.2	2.9	3.8	2.9	2.0	2.6	4.6	2.7	2.3
Ccdc85c	0.5	0.5	0.9	0.3	0.4	0.4	1.2	0.8	1.0	0.7	0.4	0.6
Ccdc86	4.2	3.9	3.0	4.8	4.7	3.6	4.2	3.1	3.4	4.3	3.4	3.3
Ccdc87	0.1	0.1	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.0
Ccdc88a	4.4	5.2	6.7	5.4	5.6	5.8	5.4	5.4	4.8	4.8	6.2	6.1
Ccdc88b	0.5	0.5	0.3	1.1	2.1	0.2	0.7	0.2	0.2	0.2	0.2	0.3
Ccdc88c	0.4	0.4	0.7	0.2	0.1	0.2	0.2	0.5	0.1	0.1	0.2	0.1
Ccdc89	0.7	1.0	0.7	0.9	0.5	1.1	0.6	0.8	0.7	0.4	0.5	0.6
Ccdc9	7.2	6.2	7.4	9.0	7.6	7.7	8.2	8.2	7.6	7.1	7.5	7.1
Ccdc90a	4.1	3.6	3.8	4.3	4.3	3.8	3.7	4.4	3.8	3.0	3.5	3.9
Ccdc90b	21.3	21.9	20.5	20.8	17.4	20.6	20.8	21.7	20.3	21.6	22.6	25.9
Ccdc91	25.1	20.5	21.2	32.2	19.1	28.4	21.8	21.6	18.5	21.5	26.9	25.1
Ccdc92	1.9	1.5	1.3	1.9	1.6	1.7	1.6	1.4	1.1	2.0	1.9	1.4
Ccdc93	7.5	6.7	6.9	8.2	7.4	8.1	6.5	5.9	5.8	6.7	7.0	7.0
Ccdc94	3.5	3.4	2.9	4.0	3.4	2.7	4.1	4.2	3.8	3.4	3.0	2.8
Ccdc96	0.3	0.2	0.1	0.2	0.3	0.4	0.1	0.1	0.1	0.2	0.2	0.3
Ccdc97	3.2	3.7	3.9	4.2	4.2	3.6	4.4	4.3	3.5	3.8	3.5	3.5
Cchr1	3.5	4.5	4.7	3.0	3.5	2.9	4.3	3.7	4.3	3.9	3.7	2.9
Ccin	0.0	0.1	0.2	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0
Cck	1.0	0.3	0.1	1.4	0.2	1.2	0.0	0.0	0.2	3.0	2.0	0.8
Ccl11	0.0	0.1	0.3	0.0	0.5	0.0	0.0	0.2	0.1	0.1	0.1	0.0
Ccl12	1.2	0.0	0.1	5.6	8.4	0.0	0.2	0.1	0.2	0.6	0.0	1.1
Ccl17	19.0	12.2	5.5	40.1	22.5	23.9	17.7	6.0	8.6	18.6	12.6	11.9
Ccl19	0.1	0.3	0.9	0.1	0.5	0.0	0.1	1.0	0.2	0.1	0.0	0.1
Ccl2	310.4	124.7	185.5	564.4	808.5	232.0	358.7	127.5	138.8	161.7	97.5	161.4
Ccl20	6.5	1.5	1.7	1.6	3.6	0.2	2.4	2.0	3.1	0.8	0.9	1.4
Ccl21a	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccl21b	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Ccl21c	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccl25	4.0	3.7	4.1	4.9	2.8	3.7	3.3	3.2	2.6	3.6	4.1	3.9
Ccl27a	5.0	3.9	3.8	4.3	3.1	5.9	2.7	5.3	3.2	4.9	5.1	3.7
Ccl27b	0.8	0.6	0.9	0.6	0.4	0.5	0.4	0.5	0.5	0.8	0.6	0.6
Ccl28	0.1	0.2	0.2	0.1	0.1	0.1	0.5	0.2	0.2	0.1	0.1	0.1
Ccl3	4.9	0.0	0.5	34.8	86.5	0.1	18.9	0.5	2.4	7.3	2.0	7.0
Ccl4	1.7	0.1	0.1	16.8	39.8	0.0	5.8	0.1	1.2	3.6	0.3	2.4
Ccl5	3.3	1.3	0.9	14.6	11.8	8.0	1.9	0.1	0.4	0.4	0.1	0.7

Online Table 1

Ccl6	6.6	5.3	2.6	20.4	8.5	5.5	6.5	1.5	3.0	3.2	4.8	3.0
Ccl7	280.1	198.4	266.5	385.4	583.3	245.2	347.6	187.7	209.6	161.9	122.7	194.3
Ccl8	14.9	8.3	20.2	40.9	71.5	11.6	10.6	14.9	9.2	9.1	4.3	8.3
Ccl9	8.2	7.8	7.9	16.1	32.3	3.2	15.2	6.0	12.3	11.3	13.9	8.7
Ccm2	22.3	20.2	16.6	24.9	21.1	21.6	21.4	18.1	22.3	20.0	23.1	19.1
Ccm2l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccna1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccna2	4.2	7.4	12.3	2.3	9.2	1.8	13.3	6.1	10.8	5.1	9.3	6.1
Ccnb1	3.6	7.6	11.3	1.1	10.9	1.1	15.0	4.9	12.6	5.7	11.5	7.3
Ccnb2	3.6	6.3	9.7	0.8	9.9	0.9	11.7	4.0	8.4	4.4	6.4	5.8
Ccnb3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccnc	10.5	11.1	11.4	13.8	10.2	13.4	10.4	11.8	10.5	10.1	13.0	12.2
Ccnd1	186.1	72.8	35.1	269.1	129.8	271.0	83.1	19.1	21.1	56.9	57.7	33.9
Ccnd2	148.8	116.2	99.4	136.1	130.0	162.5	126.6	95.5	97.0	174.8	147.6	126.3
Ccnd3	28.8	32.1	27.5	26.8	27.7	29.3	29.7	33.4	32.2	32.1	30.4	25.9
Ccndbp1	20.3	20.2	17.4	24.2	18.8	22.2	19.0	19.6	17.9	20.8	19.0	19.5
Ccne1	4.5	6.4	6.9	3.7	5.7	4.8	7.7	5.8	5.2	5.0	7.3	5.5
Ccne2	0.9	1.6	2.9	0.8	2.3	0.4	3.1	2.1	1.8	1.6	2.1	1.6
Ccnf	0.8	1.7	2.3	0.8	2.6	0.7	3.2	1.4	2.5	1.3	2.0	1.6
Ccng1	435.6	361.8	293.7	397.4	359.4	412.0	316.6	180.7	263.8	420.2	436.6	398.8
Ccng2	15.2	21.6	18.8	14.1	17.6	16.4	17.1	17.0	24.3	19.9	16.3	19.2
Ccnh	10.6	9.2	9.9	10.4	8.3	10.0	9.4	9.7	7.8	13.6	12.8	12.2
Ccni	34.4	31.5	31.5	34.2	29.0	40.2	31.7	30.8	34.4	32.7	32.0	31.8
Ccnj	1.0	0.9	1.0	1.0	0.8	1.1	0.8	1.0	1.1	1.0	0.9	1.0
Ccnjl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ccnk	1.4	1.8	2.4	1.9	1.8	1.3	1.6	2.2	1.7	1.5	1.9	1.4
Ccnl1	11.5	10.7	12.0	10.0	11.7	7.9	10.3	11.6	11.8	13.9	12.2	13.6
Ccnl2	15.8	18.4	21.3	11.8	14.9	11.6	16.2	16.5	21.6	17.5	15.1	16.3
Ccno	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2
Ccnt1	10.7	10.7	11.1	12.3	11.2	10.4	10.0	9.4	8.6	10.1	10.9	9.3
Ccnt2	5.9	6.7	7.4	5.7	6.5	6.8	6.6	7.0	5.9	6.8	7.1	7.1
Ccny	23.9	24.3	24.3	25.3	21.8	24.4	23.8	28.1	25.2	23.5	23.3	24.4
Ccnyl1	11.8	15.4	18.1	8.8	13.3	7.7	16.4	20.4	19.2	14.0	18.4	19.4
Ccp110	1.8	2.4	3.2	1.8	2.1	1.9	2.1	2.3	1.9	1.6	1.8	1.8
Ccpg1	35.7	26.9	31.0	40.4	27.7	36.1	27.7	28.3	24.4	30.8	31.8	36.7
Ccr1	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ccr10	0.3	0.3	0.1	0.3	0.4	0.6	0.2	0.2	0.2	0.3	0.2	0.1
Ccr3	0.1	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Ccr4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccr5	0.3	0.0	0.0	2.5	5.1	0.0	0.6	0.0	0.1	0.1	0.0	0.3
Ccr7	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1
Ccr9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ccr11	3.2	4.0	4.6	1.9	2.9	1.8	2.1	3.8	1.8	4.8	5.9	3.6
Ccr12	0.3	0.2	0.3	0.5	0.5	0.3	0.2	0.2	0.2	0.4	0.0	0.3
Ccrn4l	1.2	1.2	0.8	1.1	1.3	0.8	1.2	0.6	1.0	1.6	1.5	1.0
Ccs	23.5	20.2	17.7	22.0	16.6	20.9	17.4	16.4	18.9	19.6	19.0	19.6
Ccsap	0.5	0.4	0.7	0.7	0.9	0.5	1.2	0.8	0.8	0.8	0.6	1.0
Ccser1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Ccser2	22.2	21.9	20.4	24.4	19.2	23.0	19.4	17.4	19.2	21.7	22.6	22.8
Cct2	167.5	137.8	125.2	151.7	133.7	143.7	136.9	129.6	126.6	145.9	153.5	148.2
Cct3	108.5	108.6	82.4	105.1	95.5	88.5	95.8	84.4	93.1	106.1	100.1	93.2
Cct4	118.5	115.7	91.3	87.2	99.4	97.6	84.2	87.3	101.5	109.8	106.4	100.0
Cct5	173.1	146.3	128.8	157.8	137.5	154.6	146.3	134.0	130.2	155.1	164.6	144.1
Cct6a	128.2	125.5	97.4	132.1	103.8	109.2	113.2	96.6	105.0	113.9	132.1	119.2
Cct6b	0.2	0.4	0.3	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.1	0.0
Cct7	95.4	88.8	72.0	88.7	76.3	88.3	73.1	69.4	73.6	81.9	79.3	73.8
Cct8	117.7	106.5	90.9	114.0	98.7	103.6	95.3	84.1	90.1	107.1	105.5	102.2

Online Table 1

Cct8I1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccz1	41.2	38.6	34.0	38.9	35.8	39.4	34.0	34.7	34.5	35.7	39.2	37.1
Cd101	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Cd109	9.8	7.8	8.4	3.3	6.8	7.5	6.4	7.7	6.6	4.6	6.9	7.6
Cd14	2.8	0.7	0.6	19.5	54.7	0.5	8.5	1.0	1.8	5.4	1.4	2.9
Cd151	254.0	217.1	170.2	296.5	188.0	288.9	209.7	189.3	181.4	215.1	231.2	175.4
Cd160	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
Cd164	46.0	44.2	47.9	60.7	51.0	56.0	52.2	46.6	48.7	54.2	57.4	55.1
Cd164I2	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.1	0.1
Cd177	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd180	0.7	0.5	0.7	3.8	5.8	0.6	1.4	0.6	0.9	0.7	0.4	0.7
Cd1d1	1.9	2.5	2.0	2.3	2.4	2.4	0.8	2.4	1.0	2.0	1.9	1.4
Cd1d2	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Cd200	6.4	4.3	7.3	4.5	2.6	4.2	3.2	3.8	4.8	9.3	8.5	11.3
Cd200r1	2.3	1.8	2.6	5.6	3.4	1.8	3.5	2.7	3.9	2.7	2.7	3.3
Cd200r2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd200r3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Cd200r4	0.4	0.3	0.5	1.0	1.2	0.5	0.5	0.4	0.6	0.4	0.4	0.3
Cd207	0.0	0.0	0.0	0.2	1.2	0.1	0.2	0.0	0.0	0.1	0.0	0.0
Cd209c	0.6	1.0	0.7	0.5	0.9	0.6	0.9	0.5	0.4	0.8	0.3	0.6
Cd22	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd244	0.2	0.1	0.0	0.8	1.5	0.0	0.3	0.1	0.1	0.2	0.2	0.4
Cd247	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Cd248	8.6	8.9	9.5	7.4	10.5	11.7	25.6	28.8	30.6	23.1	27.4	17.8
Cd24a	2.4	1.4	2.3	0.8	1.2	0.6	0.6	1.9	0.4	3.3	2.0	3.0
Cd27	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.0
Cd274	1.4	1.1	1.1	1.5	0.8	1.4	0.8	0.4	0.4	0.4	0.6	0.7
Cd276	1.8	1.9	2.5	2.0	1.9	2.3	2.4	3.0	2.6	2.8	2.3	2.4
Cd28	1.2	1.4	0.6	2.0	1.1	1.5	0.4	0.1	0.3	0.1	0.2	0.1
Cd2ap	12.1	11.4	13.7	13.0	12.0	12.2	12.7	13.4	10.8	16.0	18.3	17.0
Cd2bp2	20.0	17.1	16.3	20.2	17.7	20.7	18.4	17.6	17.4	18.2	18.7	19.6
Cd300a	0.2	0.0	0.0	2.2	3.0	0.0	0.3	0.1	0.0	0.2	0.0	0.1
Cd300e	0.1	0.0	0.0	0.5	0.6	0.0	0.5	0.0	0.1	0.1	0.0	0.2
Cd300Ib	0.4	0.0	0.1	3.5	6.7	0.0	0.5	0.1	0.1	0.3	0.0	0.3
Cd300Id	1.9	0.0	0.1	11.4	22.9	0.0	3.3	0.1	0.6	1.7	0.8	2.0
Cd300If	0.2	0.0	0.0	3.1	4.7	0.0	0.7	0.0	0.1	0.2	0.2	0.4
Cd300Ig	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Cd300Ih	0.2	0.0	0.0	1.5	2.6	0.0	0.4	0.0	0.1	0.2	0.0	0.1
Cd302	46.4	47.0	61.2	53.6	51.9	49.1	45.4	46.7	43.6	46.1	44.9	58.4
Cd320	5.2	4.3	3.5	3.7	3.7	4.2	4.1	4.8	3.9	5.0	4.2	4.1
Cd33	0.1	0.0	0.0	0.8	1.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cd34	22.5	10.7	21.1	8.7	5.0	14.4	6.4	27.1	10.3	11.5	11.3	15.6
Cd36	1.7	0.2	0.2	7.5	26.0	0.0	1.5	1.0	0.6	1.9	0.5	1.5
Cd37	0.4	0.0	0.0	2.9	4.6	0.0	0.5	0.1	0.0	0.1	0.0	0.1
Cd38	2.0	2.4	2.5	2.1	2.2	2.1	1.9	2.7	2.2	1.7	2.4	2.1
Cd3eap	11.9	8.5	8.1	15.1	10.0	9.5	12.4	8.8	7.9	11.1	13.4	12.5
Cd4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd40	7.0	4.1	2.8	12.2	11.1	7.6	7.9	2.4	3.7	3.7	3.2	3.4
Cd44	22.2	15.3	18.4	35.2	41.8	24.0	37.3	18.1	18.1	29.4	26.8	24.7
Cd46	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.5	0.5	0.2	0.4	0.3
Cd47	15.6	16.7	15.7	17.2	22.7	14.1	19.2	16.8	15.5	16.3	15.1	17.1
Cd48	1.4	0.0	0.1	11.9	16.5	0.0	2.1	0.5	0.2	1.6	0.3	0.7
Cd5	0.0	0.0	0.0	0.1	0.7	0.0	0.2	0.0	0.0	0.1	0.0	0.0
Cd52	11.6	0.0	0.8	101.0	232.0	0.1	43.1	1.7	7.2	14.9	5.9	12.9
Cd53	2.8	0.2	0.2	14.9	22.7	0.3	2.1	0.4	0.5	2.5	0.7	1.6
Cd55	17.0	19.2	33.8	9.4	14.4	11.1	13.9	34.8	11.4	13.1	15.2	14.5
Cd59a	14.4	9.1	9.2	15.9	11.8	13.6	11.4	9.2	10.0	15.4	13.5	12.5

Online Table 1

Cd59b	0.7	0.9	0.3	0.6	0.3	0.5	0.3	0.1	0.7	0.5	0.5	0.5
Cd63	208.8	193.2	183.8	232.1	246.5	210.9	168.0	217.6	176.4	208.6	175.5	229.4
Cd68	4.6	0.8	1.3	52.0	45.5	1.2	4.1	1.9	1.2	3.7	2.2	2.6
Cd69	0.1	0.0	0.0	0.4	4.7	0.0	2.1	0.1	0.4	0.4	0.3	0.9
Cd70	0.2	0.0	0.0	0.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cd72	7.0	0.8	0.9	68.0	128.9	0.4	19.2	2.0	3.7	9.1	3.6	8.5
Cd74	0.5	0.1	0.2	1.6	5.7	0.2	0.7	0.3	0.3	0.4	0.2	0.2
Cd79a	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Cd80	8.1	9.8	9.1	5.7	8.9	6.8	6.9	3.8	5.2	4.8	6.7	7.4
Cd81	610.7	549.0	467.2	624.6	505.5	621.8	562.7	513.0	541.5	628.0	658.3	591.1
Cd82	15.8	15.4	14.9	13.8	13.8	15.1	15.0	19.2	11.6	14.3	13.7	15.8
Cd83	0.4	0.5	1.1	1.2	1.2	1.1	0.3	0.3	0.1	0.1	0.0	0.1
Cd84	1.1	0.1	0.2	12.4	13.5	0.0	0.7	0.3	0.1	0.6	0.3	0.5
Cd86	0.2	0.0	0.0	1.2	2.4	0.0	0.3	0.0	0.0	0.2	0.0	0.0
Cd8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd8b1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd9	52.6	29.7	44.9	58.2	76.7	45.6	42.4	58.3	43.5	47.2	58.6	62.6
Cd93	3.2	0.8	1.7	4.2	7.3	0.4	1.9	3.7	2.9	1.0	0.7	0.9
Cd96	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Cd97	19.1	20.4	15.4	18.4	21.0	15.3	23.9	19.9	26.0	19.2	21.9	19.7
Cd99I2	24.8	23.5	22.9	22.8	19.9	28.4	20.3	25.0	21.2	20.1	21.6	23.2
Cda	1.1	1.6	1.2	1.6	1.9	1.5	2.4	1.2	2.7	1.8	1.5	2.3
Cdadcl1	5.6	6.8	7.3	8.5	6.6	7.7	7.5	5.9	7.5	8.2	7.0	8.1
Cdan1	1.6	1.8	2.0	1.3	2.0	1.4	2.3	1.8	2.0	1.6	1.5	1.7
Cdc123	26.9	28.2	28.0	27.0	25.6	28.2	24.9	24.6	24.8	28.1	28.3	27.3
Cdc14a	0.6	0.5	0.8	0.6	0.7	0.5	0.6	0.7	0.4	0.5	0.6	0.5
Cdc14b	5.3	5.7	4.5	4.6	4.5	5.2	4.9	4.5	5.6	4.8	5.3	4.7
Cdc16	40.7	40.9	43.1	36.4	35.8	38.2	41.9	44.7	43.9	42.0	44.3	43.2
Cdc20	4.3	9.0	11.9	1.5	12.0	1.2	17.0	6.2	13.2	5.3	10.4	7.0
Cdc23	18.3	19.8	20.0	17.1	17.7	17.9	19.1	18.1	19.7	18.2	18.8	18.0
Cdc25a	3.8	3.6	3.6	3.9	4.1	3.7	5.0	3.2	4.0	4.2	4.2	3.8
Cdc25b	0.7	1.3	2.0	0.3	1.5	0.5	2.1	1.0	1.7	1.0	1.1	1.2
Cdc25c	0.8	1.1	1.8	0.3	1.7	0.4	2.1	0.8	1.8	0.6	1.5	0.8
Cdc26	24.4	16.3	16.1	19.2	18.3	17.7	14.1	20.5	19.5	21.0	20.4	17.1
Cdc27	14.7	16.0	16.1	14.0	14.0	13.5	15.1	16.5	15.6	16.1	17.7	18.4
Cdc34	39.8	32.5	24.1	41.6	34.2	37.9	28.6	30.3	30.1	36.3	31.5	28.5
Cdc37	44.7	40.4	36.7	61.3	44.5	54.1	44.1	42.6	35.7	42.4	40.3	42.8
Cdc37I1	12.9	15.2	16.0	13.5	12.0	13.9	12.3	14.8	12.3	12.0	11.9	13.9
Cdc40	5.3	5.9	6.2	5.4	4.9	5.1	5.3	5.5	4.8	6.6	5.6	6.0
Cdc42	199.2	193.5	176.3	223.4	226.0	191.7	191.6	195.4	204.6	205.0	224.6	206.3
Cdc42bpa	19.3	18.6	16.1	19.4	17.3	21.2	19.9	16.3	17.5	18.2	20.2	18.3
Cdc42bpb	18.3	18.6	18.1	17.8	17.7	18.0	22.8	19.6	20.8	17.5	18.5	17.9
Cdc42bpg	7.1	6.0	5.7	4.5	5.5	6.1	5.3	4.1	5.0	9.1	6.2	6.0
Cdc42ep1	20.2	28.7	26.5	19.6	24.1	17.3	32.2	34.6	35.3	23.5	24.7	21.4
Cdc42ep2	18.4	20.7	18.5	12.4	18.4	12.8	30.9	44.0	32.0	20.3	29.1	19.2
Cdc42ep3	8.5	6.2	7.6	7.5	6.6	5.1	3.6	4.0	5.9	14.2	10.4	8.1
Cdc42ep4	10.3	12.9	12.4	10.1	12.0	9.0	11.8	13.3	13.8	11.0	9.7	10.3
Cdc42ep5	10.5	9.4	12.6	12.3	11.7	10.2	14.1	16.0	10.5	7.5	8.3	8.7
Cdc42se1	23.4	22.6	23.3	27.4	29.2	19.9	29.9	30.0	27.8	23.5	28.7	24.1
Cdc42se2	17.1	14.6	10.9	19.4	19.8	16.3	12.8	12.6	13.1	11.4	12.6	12.0
Cdc45	2.6	3.8	6.9	1.9	4.9	1.4	5.9	3.1	4.7	2.4	3.7	3.8
Cdc5I	16.1	18.2	19.5	18.1	17.6	17.3	19.1	19.0	17.3	20.6	19.1	20.6
Cdc6	0.6	1.0	1.9	0.2	1.7	0.3	1.7	1.2	1.4	0.9	1.3	0.7
Cdc7	0.6	1.0	1.1	0.7	1.4	0.7	1.0	0.9	1.2	0.8	1.2	0.6
Cdc73	2.6	3.1	2.8	2.4	2.9	2.9	2.9	3.2	2.6	3.5	3.0	3.7
Cdca2	1.0	2.3	3.6	0.6	3.2	0.6	4.1	1.9	3.2	1.4	2.6	2.2
Cdca3	3.9	5.9	10.6	1.7	8.8	1.0	13.1	4.9	8.6	4.1	7.5	4.6

Online Table 1

Cdca4	7.6	9.2	8.2	6.7	8.5	7.2	9.7	7.4	9.0	8.7	7.9	7.2
Cdca5	0.9	1.9	2.5	0.5	2.6	0.6	3.2	1.6	2.2	1.1	1.9	1.2
Cdca7	1.4	2.0	2.0	0.8	2.1	0.9	1.8	1.8	1.7	1.7	2.1	1.2
Cdca7l	1.0	1.2	1.4	1.0	1.6	0.8	1.3	0.7	0.8	0.7	1.0	0.7
Cdca8	2.3	4.4	7.6	2.0	6.6	1.7	8.8	3.9	6.3	2.9	6.1	3.8
Cdcp1	0.0	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Cdh1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh10	0.2	0.1	0.1	0.2	0.2	0.1	0.4	0.3	0.3	0.2	0.2	0.2
Cdh11	18.6	9.0	14.7	7.1	10.5	6.4	14.2	17.4	18.5	63.4	41.0	38.7
Cdh12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh13	2.5	0.4	1.2	1.0	0.5	1.3	0.9	2.1	1.0	0.3	0.5	0.7
Cdh15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh17	0.1	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Cdh19	0.9	1.5	2.2	0.9	1.4	1.3	1.7	2.4	1.8	0.5	1.2	1.2
Cdh2	41.8	31.4	39.1	36.1	35.5	45.0	49.4	65.0	59.5	54.0	60.8	80.4
Cdh23	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2
Cdh24	0.1	0.1	0.1	0.0	0.2	0.3	0.2	0.2	0.2	0.4	0.3	0.2
Cdh26	1.0	0.6	0.2	1.0	0.5	0.5	0.2	0.1	0.1	0.3	0.2	0.2
Cdh3	1.8	0.9	0.9	0.4	0.4	0.5	1.0	1.8	2.3	14.1	8.7	5.2
Cdh4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh5	2.7	0.7	2.0	0.9	0.8	0.5	1.8	3.9	1.7	0.4	0.3	0.5
Cdh6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdhr1	0.4	0.2	0.2	0.3	0.3	0.5	0.3	0.1	0.1	0.4	0.3	0.2
Cdhr3	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Cdip1	6.3	6.3	6.1	6.7	6.2	6.6	6.7	6.3	6.5	7.0	6.6	5.9
Cdipt	35.4	28.2	23.5	39.5	29.6	32.9	29.9	30.0	28.9	30.7	28.6	26.4
Cdk1	6.3	11.6	16.6	2.7	14.6	3.6	18.4	7.6	15.7	10.1	12.9	10.3
Cdk10	11.4	11.1	11.5	13.9	10.6	12.4	11.4	10.6	12.6	11.3	10.4	8.7
Cdk11b	26.0	28.8	32.0	33.5	25.0	28.9	30.4	25.4	21.2	22.7	28.1	30.4
Cdk12	5.8	6.9	7.0	6.8	6.4	6.4	7.0	6.9	5.8	5.7	7.2	6.7
Cdk13	8.0	8.0	8.2	8.1	7.3	7.7	9.0	8.4	8.1	8.7	9.7	9.3
Cdk14	14.4	19.4	23.2	17.4	22.7	17.1	19.0	20.9	19.2	19.9	19.3	20.7
Cdk15	0.7	0.6	0.4	1.2	0.6	0.8	0.7	0.5	0.6	0.3	0.7	0.3
Cdk16	32.2	30.4	32.1	31.5	28.1	28.8	35.7	34.6	33.9	27.3	34.1	30.2
Cdk17	8.1	9.7	8.7	7.7	10.2	8.0	10.3	8.6	10.7	9.7	11.8	9.6
Cdk18	7.1	6.1	3.8	14.8	15.3	10.9	8.1	3.4	6.7	6.3	5.7	4.4
Cdk19	2.6	4.1	4.9	2.9	4.0	2.8	3.8	5.6	4.8	3.7	4.0	4.5
Cdk2	4.2	5.7	6.5	3.4	6.5	3.5	5.9	5.7	6.4	5.2	5.2	4.2
Cdk20	1.5	0.9	1.2	1.1	1.7	1.6	1.2	1.1	1.2	1.2	1.0	1.2
Cdk2ap1	62.4	61.0	63.5	63.0	59.1	63.2	65.0	79.0	61.0	57.8	64.4	52.4
Cdk2ap2	36.6	37.0	27.6	46.6	31.8	41.2	36.0	39.3	33.1	35.2	34.0	29.4
Cdk3-ps	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Cdk4	98.5	88.0	77.8	83.7	82.7	93.9	79.1	87.7	81.2	102.1	90.8	81.9
Cdk5	14.6	11.8	10.5	14.2	12.1	15.2	10.0	11.1	11.9	13.2	13.6	13.8
Cdk5r1	0.3	0.2	0.2	0.3	0.3	0.4	0.2	0.2	0.3	0.3	0.2	0.3
Cdk5rap1	3.8	3.6	3.5	4.1	2.8	4.4	2.7	2.7	2.8	3.5	3.2	3.7
Cdk5rap2	5.9	6.1	7.9	5.7	6.1	6.0	6.2	6.3	5.0	5.1	6.0	5.8
Cdk5rap3	22.9	24.3	21.9	23.2	20.2	22.9	20.3	25.3	21.8	26.7	22.7	23.5
Cdk6	19.9	17.6	14.6	24.5	24.3	15.3	18.4	12.4	13.7	14.2	15.7	15.5
Cdk7	8.1	8.1	8.0	8.6	7.3	7.8	7.7	8.9	9.3	10.1	9.5	9.8
Cdk8	12.3	14.6	16.8	14.7	13.3	14.8	13.3	12.0	12.0	11.9	14.2	13.1
Cdk9	6.1	5.9	5.9	6.8	6.6	7.5	6.6	7.8	6.9	6.7	6.3	6.4
Cdkal1	8.9	8.0	7.4	10.6	7.7	9.9	7.4	7.4	6.9	6.8	7.5	7.2
Cdkl1	0.8	1.2	0.6	1.1	1.1	0.7	0.8	0.6	1.3	1.2	1.1	0.8
Cdkl2	4.2	3.2	2.8	4.2	3.7	4.7	3.4	2.9	2.8	2.7	3.4	3.3
Cdkl3	4.4	3.3	3.5	4.5	3.1	4.1	3.3	2.8	2.3	3.1	3.5	3.4
Cdkl4	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1

Online Table 1

Cdkl5	1.0	1.3	1.3	0.8	0.9	1.0	0.7	1.3	0.8	0.8	0.8	0.9
Cdkn1a	76.6	85.4	80.0	78.8	81.7	70.0	68.6	75.5	65.2	83.6	69.8	72.9
Cdkn1b	9.9	14.1	19.0	11.1	10.8	13.8	12.5	17.5	18.0	14.6	16.2	16.7
Cdkn1c	0.6	0.6	0.7	1.1	0.3	0.3	0.4	0.9	0.4	0.5	0.5	0.6
Cdkn2a	44.2	8.9	3.6	54.9	16.8	39.4	9.9	5.2	11.0	26.3	16.5	11.4
Cdkn2aip	4.7	4.4	5.2	3.9	3.6	4.0	4.9	4.1	4.3	4.6	4.3	5.2
Cdkn2aipnl	5.6	4.1	4.7	6.0	7.4	4.2	5.7	5.2	4.0	4.8	6.7	5.1
Cdkn2b	46.1	23.0	17.8	47.3	28.5	44.6	32.0	17.3	33.5	58.8	39.5	40.5
Cdkn2c	6.3	8.1	8.4	5.6	7.6	4.9	7.8	9.0	9.6	8.1	8.4	7.7
Cdkn2d	5.2	8.1	9.0	4.3	7.2	5.6	9.8	5.4	10.0	6.7	7.1	6.5
Cdkn3	2.3	4.0	8.2	0.5	5.1	1.1	7.7	3.1	5.3	3.8	5.5	4.6
Cdnf	4.3	4.1	4.3	5.4	3.1	5.4	3.6	3.2	3.1	3.5	4.7	4.7
Cdo1	24.1	13.4	13.8	13.2	12.0	10.2	8.8	3.1	6.0	11.2	10.1	8.7
Cdon	7.6	6.6	10.5	3.5	6.2	2.8	6.8	9.9	8.3	12.3	9.9	9.7
Cdpf1	13.2	11.3	6.9	13.3	8.8	13.2	9.1	9.2	9.4	12.1	10.8	11.3
Cdr2	33.8	28.3	21.7	37.8	28.2	31.6	30.8	25.9	26.9	27.6	32.7	27.4
Cdr2l	14.0	13.3	11.7	15.8	12.1	15.1	14.7	13.6	14.1	13.7	15.2	12.2
Cdrt4	0.8	0.1	0.3	0.9	0.5	0.6	0.2	0.1	0.4	0.2	0.0	0.1
Cds1	0.5	0.3	0.2	0.7	0.7	0.3	0.3	0.2	0.1	0.3	0.1	0.2
Cds2	18.5	19.9	15.8	20.2	17.4	18.4	16.7	13.0	17.5	15.8	14.8	14.9
Cdsn	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.1
Cdt1	0.7	1.6	1.9	0.5	2.3	0.5	2.2	1.4	1.6	1.5	1.3	0.9
Cdv3	44.5	37.6	33.5	40.2	39.8	36.6	42.1	39.3	40.1	44.4	47.6	44.4
Cdyl	4.1	4.1	5.2	3.7	4.3	2.9	4.2	4.5	4.1	3.5	4.6	4.3
Cdyl2	1.6	1.9	1.5	1.8	2.1	1.9	2.0	1.7	2.0	1.8	1.6	1.8
Ceacam1	0.1	0.1	0.0	0.4	0.5	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Ceacam16	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam19	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam20	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cebpa	1.8	2.2	2.8	3.3	4.2	1.9	2.3	2.6	2.4	4.5	3.1	3.8
Cebpb	48.2	46.0	53.9	32.5	43.4	27.9	46.1	56.3	43.2	66.5	38.5	58.6
Cebpd	73.0	87.1	100.5	45.2	60.7	41.5	80.1	90.4	85.9	67.0	65.1	73.9
Cebpg	10.4	8.6	8.2	11.0	10.3	10.3	8.6	9.6	10.2	8.4	10.9	9.0
Cebpz	16.4	14.8	14.6	16.0	14.6	15.5	13.9	13.3	13.1	16.3	18.5	16.3
Cecr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cecr5	2.4	2.7	2.5	1.6	2.4	2.0	1.7	3.1	3.4	2.2	2.1	2.5
Cecr6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cela1	1.4	0.7	0.9	1.5	1.1	1.5	0.5	1.1	0.5	0.8	0.8	0.7
Celf1	11.0	12.4	8.8	14.6	12.9	13.2	11.1	9.7	10.1	11.6	14.1	11.5
Celf2	10.7	12.5	15.1	11.8	11.9	10.6	11.0	13.0	12.5	8.4	12.1	9.4
Celf3	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Celf4	1.5	1.2	1.3	1.4	0.9	1.6	1.1	0.6	0.4	0.8	0.8	1.0
Celf5	0.7	1.0	1.0	0.9	0.9	0.9	0.7	0.3	0.5	0.6	0.5	0.6
Celf6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Celsr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Celsr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Celsr3	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Cend1	0.5	0.4	0.7	1.0	0.4	0.9	0.5	0.9	0.8	0.4	0.6	0.5
Cenpa	2.6	6.3	8.0	1.1	7.5	1.3	9.0	2.3	9.1	4.1	5.7	4.3
Cenpb	76.4	53.4	45.2	85.9	53.2	80.6	57.3	45.1	47.0	48.1	55.2	52.5
Cenpc1	8.7	9.8	9.7	7.2	8.8	8.3	10.4	9.0	9.1	8.6	10.8	11.1
Cenpe	1.9	3.8	6.5	0.8	5.4	0.8	6.8	2.1	4.4	2.5	4.7	3.6
Cenpf	1.1	2.0	4.0	0.2	3.1	0.2	4.4	1.4	3.1	1.6	3.0	2.0
Cenph	1.6	3.9	4.6	0.9	4.4	0.7	4.1	1.8	2.5	2.3	2.8	2.3
Cenpi	1.3	2.2	4.1	0.7	3.4	0.9	3.7	1.5	3.4	1.8	2.1	2.2
Cenpj	2.5	3.5	3.9	3.3	3.5	2.9	2.9	2.8	2.8	2.8	3.3	3.5

Online Table 1

Cenpk	2.2	4.8	4.9	1.3	3.7	2.2	4.1	3.9	3.7	2.9	3.6	3.2
Cenpl	1.0	1.1	1.1	1.1	1.3	0.9	1.6	1.2	1.2	0.9	1.0	1.0
Cenpm	1.0	1.0	2.5	0.3	2.0	0.3	2.6	1.1	1.6	0.7	1.2	1.0
Cenpn	1.5	2.8	3.8	1.0	3.7	1.4	5.9	2.6	3.5	1.7	2.8	2.4
Cenpo	1.7	2.0	2.2	1.7	2.3	1.8	2.5	2.4	2.4	2.1	1.9	2.0
Cenpp	1.3	2.1	2.6	0.8	2.4	0.6	2.4	0.8	2.5	1.0	1.4	0.8
Cenpq	3.5	5.6	8.6	3.5	4.9	4.0	6.9	6.2	6.3	4.2	6.7	5.5
Cenpt	5.1	5.6	5.1	4.5	5.5	3.4	5.8	4.9	6.4	3.8	4.2	3.4
Cenpv	4.6	3.9	3.1	4.8	3.4	6.0	3.9	3.5	3.6	3.4	3.4	4.0
Cenpw	1.0	1.5	1.8	0.5	1.6	0.3	1.1	0.7	1.6	1.3	1.0	1.1
Cep104	6.5	7.2	6.4	6.5	6.6	7.0	6.1	5.0	5.8	5.8	5.1	5.8
Cep110	3.1	3.6	4.5	3.3	4.3	3.0	3.9	3.3	3.7	2.6	4.0	3.2
Cep112	0.4	0.8	1.0	0.5	0.3	0.8	0.7	0.7	0.6	0.4	0.7	0.6
Cep120	8.7	9.8	9.4	9.8	8.7	8.1	9.3	8.0	8.7	8.4	9.7	8.9
Cep128	1.0	1.6	2.2	0.8	2.2	0.9	1.6	1.1	1.4	0.9	1.2	1.2
Cep135	2.0	2.2	2.0	2.2	2.0	1.6	2.1	1.7	1.8	2.3	2.4	1.9
Cep152	1.1	1.5	1.4	1.5	1.6	1.4	1.5	1.3	1.4	1.0	1.5	1.0
Cep164	8.8	8.6	7.8	9.8	8.6	9.2	8.5	6.5	8.0	7.7	8.8	7.4
Cep170	14.5	16.0	16.0	16.3	14.7	15.6	16.6	15.3	14.5	12.3	17.1	14.9
Cep170b	12.9	15.3	13.6	12.9	13.3	14.9	13.9	10.5	11.8	13.6	11.7	11.1
Cep19	8.4	8.6	8.6	8.5	6.4	9.9	7.4	7.7	6.7	7.4	7.4	7.9
Cep192	5.7	7.6	7.0	6.1	7.6	6.8	6.8	5.2	6.0	5.5	6.5	5.4
Cep250	6.8	6.0	5.8	10.3	9.0	8.2	8.6	5.2	5.5	5.6	6.1	6.3
Cep290	4.0	3.5	4.0	4.1	3.4	4.2	3.0	2.7	2.4	3.4	4.1	3.5
Cep350	5.1	6.0	6.5	5.5	5.8	5.4	6.3	5.8	5.5	5.1	6.0	6.4
Cep44	5.6	6.8	7.5	4.6	6.5	6.2	5.0	5.4	6.0	5.4	6.6	6.0
Cep55	1.2	3.1	6.1	0.8	5.3	0.7	6.2	2.2	4.4	2.2	4.0	2.7
Cep57	6.8	6.5	6.9	6.5	5.7	6.6	6.2	5.4	5.4	7.3	7.4	6.7
Cep57l1	2.2	2.8	3.1	2.0	2.4	2.5	3.5	2.8	2.6	2.3	3.0	2.5
Cep63	12.4	10.3	9.9	12.1	7.9	12.6	10.7	9.1	8.1	10.0	10.7	11.2
Cep68	4.0	4.6	4.3	3.9	4.0	4.2	4.3	4.8	4.9	5.0	4.8	4.1
Cep70	1.6	1.5	1.8	1.2	1.8	1.7	1.3	1.5	1.2	1.4	2.0	1.7
Cep72	0.7	1.0	0.9	0.6	0.8	0.5	0.9	0.6	0.8	0.5	0.7	0.5
Cep76	1.8	2.6	2.3	2.1	2.0	1.8	2.4	1.7	1.8	2.2	2.3	2.4
Cep78	3.1	3.6	3.9	3.5	3.4	3.6	3.0	2.9	3.0	2.5	3.2	3.0
Cep85	2.1	2.6	3.6	2.0	2.8	1.8	3.1	3.0	3.1	2.5	2.9	3.0
Cep85l	1.3	1.6	1.5	1.5	1.5	1.2	1.5	1.5	1.2	1.4	1.6	1.7
Cep89	3.1	3.2	4.0	2.7	2.7	3.0	2.6	3.1	2.9	2.7	3.0	2.9
Cep95	3.6	4.2	5.2	2.3	3.2	2.9	4.0	4.4	3.6	3.7	4.8	5.1
Cep97	2.5	3.0	2.2	2.5	1.9	2.6	1.6	2.6	1.8	1.9	2.4	2.1
Cept1	11.0	12.5	11.9	11.8	14.2	12.4	11.1	10.0	14.4	16.9	15.3	15.1
Cercam	12.7	14.7	16.3	13.0	11.7	18.7	12.8	16.1	13.1	11.8	10.7	12.1
Cerk	4.0	3.1	2.5	6.3	5.9	3.2	3.8	3.3	3.6	5.0	3.6	3.3
Cerkl	2.0	2.1	2.2	1.5	1.6	1.8	1.5	2.1	1.1	0.6	1.2	1.1
Cers1	0.6	0.4	0.5	0.3	0.2	0.9	0.3	0.3	0.3	0.5	0.1	0.5
Cers2	55.1	49.5	48.1	62.1	60.8	50.5	64.0	53.3	61.6	53.6	58.8	50.9
Cers3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Cers4	6.2	4.4	4.1	5.6	4.0	5.1	6.2	4.6	4.7	4.3	5.2	4.8
Cers5	30.6	25.9	22.8	30.0	30.2	27.1	33.9	26.2	32.6	31.7	30.9	28.7
Cers6	28.8	35.2	35.5	28.7	33.3	26.3	37.1	29.5	33.8	26.4	28.5	31.3
Ces1a	0.1	0.3	0.1	0.1	0.2	0.3	0.1	0.4	0.1	0.2	0.1	0.2
Ces1d	1.3	2.0	3.8	0.7	1.2	1.1	0.2	0.8	0.2	0.1	0.4	0.1
Ces1f	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ces1g	0.4	0.2	0.3	0.4	0.5	0.5	0.0	0.1	0.0	0.1	0.1	0.1
Ces2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces2b	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ces2c	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Online Table 1

Ces2d-ps	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces2e	33.5	22.0	16.2	13.0	19.8	10.5	9.0	1.8	3.2	8.0	5.8	6.3
Ces2f	0.3	0.4	0.2	0.3	0.5	0.1	0.1	0.0	0.0	0.2	0.1	0.1
Ces2g	12.1	11.5	9.5	10.6	11.6	10.5	9.3	5.8	5.0	7.6	6.5	5.6
Cetn2	27.0	24.2	25.8	26.3	20.3	30.0	22.9	26.4	20.3	21.6	30.3	28.5
Cetn3	45.5	39.3	47.7	53.6	40.5	41.2	46.2	46.7	40.7	41.8	54.9	55.1
Cetn4	4.8	3.7	5.0	4.2	4.4	5.8	4.6	2.2	2.9	5.0	5.0	5.5
Cfb	1.9	1.4	2.2	2.2	3.2	0.4	0.6	0.8	0.3	1.0	0.5	0.9
Cfdp1	72.7	66.1	81.4	90.8	59.4	74.8	77.8	73.3	59.4	68.9	88.7	94.8
Cfh	107.1	130.6	143.6	40.6	64.0	33.4	47.5	60.1	89.6	95.5	56.8	123.4
Cfhr1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cfhr2	19.4	21.6	23.1	6.2	11.0	5.8	8.1	9.6	15.8	15.2	8.6	19.1
Cfi	10.0	15.5	15.9	9.2	13.1	4.6	7.4	9.4	6.8	4.8	4.1	7.6
Cfl1	359.7	294.7	254.3	460.7	422.1	348.8	418.3	359.6	334.4	378.3	428.4	349.2
Cfl2	43.4	37.0	32.0	45.6	32.5	44.0	34.1	26.2	36.9	40.7	42.5	40.8
Cflar	49.1	40.7	35.4	66.5	44.2	62.4	43.6	24.2	27.9	36.5	39.0	37.1
Cfp	3.5	0.7	0.9	28.3	60.5	0.5	8.7	1.2	2.2	4.8	1.8	2.9
Cfr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cggbp1	16.1	18.4	18.8	18.4	19.8	16.7	19.5	20.6	21.5	19.7	22.7	20.6
Cgn	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.8	0.6	0.2
Cgnl1	14.6	7.3	6.6	16.2	8.8	16.0	3.8	3.0	2.1	3.8	2.9	3.0
Cgref1	21.3	16.9	12.8	19.3	12.4	20.8	14.3	11.6	8.8	8.9	14.1	14.7
Cgrrf1	29.4	30.9	24.9	28.9	24.6	32.6	27.8	23.8	23.1	27.4	27.5	28.8
Ch25h	6.9	4.9	6.1	12.6	28.6	4.2	9.2	3.4	5.1	10.1	4.1	8.1
Chac1	12.8	7.1	4.5	11.4	4.7	12.0	4.4	7.2	7.4	8.5	9.1	4.9
Chac2	3.1	3.5	4.0	4.6	4.1	4.0	4.3	3.8	3.9	3.4	4.7	4.2
Chad	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.0
Chadl	0.6	0.5	0.4	0.6	0.4	0.6	0.4	0.3	0.6	0.3	0.3	0.5
Chaf1a	4.1	5.3	6.5	3.1	5.8	3.0	7.7	4.4	4.9	3.4	5.2	3.7
Chaf1b	1.8	3.3	4.2	2.0	3.9	1.5	4.8	2.6	3.3	2.2	3.4	2.1
Chchd1	47.7	44.5	43.7	50.8	44.2	52.8	43.1	38.3	35.1	43.7	43.2	46.1
Chchd10	2.0	0.6	0.7	3.8	0.7	3.0	0.3	0.7	0.5	2.1	1.2	0.3
Chchd2	148.8	151.8	113.0	127.9	132.8	128.1	92.2	109.2	126.8	154.9	119.8	126.5
Chchd3	41.4	33.9	35.7	40.5	30.8	39.5	35.4	39.3	34.1	33.1	42.2	35.8
Chchd4	9.2	6.6	5.4	9.5	9.7	9.9	6.1	5.7	6.5	8.6	8.0	7.4
Chchd5	6.2	4.6	6.6	7.5	5.8	8.5	5.9	6.6	6.2	6.2	6.6	6.4
Chchd6	7.7	7.3	5.9	8.7	5.9	9.9	5.6	4.9	5.4	5.4	6.4	5.6
Chchd7	19.5	16.0	14.6	20.5	11.8	16.2	13.4	14.1	13.1	12.5	13.3	15.0
Chd1	9.3	9.9	10.9	9.0	9.7	8.2	10.7	8.9	9.3	10.5	11.0	11.0
Chd1l	2.5	2.0	2.3	2.9	2.2	2.7	2.2	2.4	1.9	2.2	2.1	1.9
Chd2	8.4	8.3	9.6	8.4	7.2	8.6	8.8	7.8	6.9	7.4	9.0	9.7
Chd3	20.9	19.6	18.2	26.1	19.8	22.7	23.2	21.1	24.3	23.1	25.6	26.6
Chd4	35.6	36.1	38.8	34.6	35.4	32.7	42.0	39.2	38.6	37.6	40.7	41.7
Chd5	0.6	0.3	0.2	0.9	0.3	0.7	0.3	0.2	0.2	0.2	0.2	0.3
Chd6	7.4	7.3	7.0	7.8	6.1	7.3	6.7	6.0	5.9	6.1	6.7	6.9
Chd7	0.5	0.4	0.4	0.6	0.8	0.3	0.6	0.4	0.4	0.3	0.4	0.3
Chd8	9.7	12.1	12.5	10.2	11.5	10.1	12.0	11.9	11.3	11.2	12.1	11.5
Chd9	4.1	4.6	4.8	4.2	4.4	3.9	5.0	4.7	4.3	4.3	4.8	5.3
Chdh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chek1	0.6	0.9	1.1	0.4	1.1	0.4	1.0	1.0	0.9	0.7	0.9	0.8
Chek2	6.4	6.7	7.4	5.7	7.5	5.2	4.9	4.6	5.1	5.7	5.9	5.9
Cherp	2.6	3.5	3.7	3.2	3.8	3.2	4.2	3.6	3.6	2.9	3.0	2.7
Chfr	17.9	21.7	21.4	13.2	14.3	11.5	18.2	21.7	23.0	13.5	19.0	18.4
Chga	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Chgb	0.3	0.3	0.2	0.1	0.2	0.4	0.3	0.1	0.2	0.1	0.3	0.3
Chi3l1	0.3	0.3	0.8	0.0	0.1	0.1	0.0	0.9	0.2	0.3	0.5	0.5
Chic1	0.8	0.8	1.1	0.8	0.7	1.0	0.5	0.7	0.7	0.9	0.8	0.9

Online Table 1

Chic2	24.0	23.3	22.6	23.0	26.8	21.8	27.4	21.7	24.1	33.1	27.7	27.6
Chid1	37.0	29.6	23.0	34.8	27.6	33.6	25.5	21.8	25.3	32.0	28.7	30.8
Chit1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Chka	3.2	3.5	2.8	2.6	3.2	3.0	3.5	3.0	3.3	4.0	3.2	2.5
Chkb	7.5	7.1	7.0	7.1	8.2	7.3	7.9	7.0	9.2	8.2	6.5	7.3
Chl1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chm	8.5	8.9	8.8	11.9	9.2	10.7	8.8	8.7	8.8	9.4	11.4	11.0
Chml	1.4	1.3	1.4	1.3	1.3	1.9	1.5	1.5	1.4	1.3	1.7	1.8
Chmp1a	40.9	41.5	34.2	42.6	40.3	44.4	40.8	37.2	41.7	44.1	38.1	38.1
Chmp1b	26.1	24.7	28.0	37.5	25.0	29.2	27.3	24.8	24.3	28.6	32.9	34.4
Chmp2a	88.0	85.9	97.4	90.9	75.3	84.5	96.8	100.9	85.0	86.1	98.3	105.6
Chmp2b	26.6	25.3	27.1	27.0	23.6	30.2	24.9	25.7	23.1	25.9	29.8	31.1
Chmp3	93.5	69.4	60.3	102.6	66.0	92.1	73.6	55.3	55.8	68.2	81.2	79.2
Chmp4b	92.0	83.8	90.2	107.8	82.2	94.3	92.9	91.3	78.2	89.0	100.8	106.4
Chmp4c	0.8	0.2	0.4	0.4	0.2	0.2	0.2	0.1	0.1	1.0	0.4	0.4
Chmp5	132.1	119.6	110.7	147.4	102.4	144.2	104.0	91.2	95.1	115.8	123.9	122.8
Chmp6	15.0	13.3	14.7	14.5	15.6	13.0	15.2	16.8	16.9	14.0	14.5	13.7
Chmp7	27.5	25.0	20.3	27.9	23.8	28.6	21.1	17.9	20.8	22.6	20.9	20.5
Chn1	6.8	5.7	4.1	9.0	5.0	7.3	4.6	3.0	3.4	2.9	3.3	3.4
Chn2	1.6	1.3	0.8	1.3	1.2	1.2	1.1	1.3	0.9	3.2	2.3	1.1
Chodl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chordc1	30.7	34.4	34.7	36.7	31.1	34.1	32.1	26.7	28.1	37.3	42.2	39.0
Chp1	60.7	54.7	49.4	56.0	51.7	55.4	51.5	50.2	51.3	61.1	57.7	56.1
Chpf	28.4	17.9	14.3	27.1	26.9	34.6	32.0	23.4	26.6	28.3	23.9	23.8
Chpf2	36.2	31.2	24.8	37.7	36.8	35.9	35.0	29.2	35.0	29.9	27.1	27.0
Chpt1	22.0	20.6	21.6	22.7	17.3	29.6	19.8	16.0	18.6	20.7	22.2	22.4
Chrac1	18.5	17.7	18.8	19.2	19.0	18.5	20.7	19.1	20.8	19.3	19.8	18.9
Chrd	1.0	0.7	0.3	0.5	0.4	1.0	1.0	1.0	1.1	1.1	1.5	1.1
Chrdl1	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Chrm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrm3	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Chrm4	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Chrna1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Chrna10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrna2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2
Chrna4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Chrna7	0.3	0.1	0.1	0.3	0.1	0.6	0.1	0.1	0.1	0.0	0.0	0.0
Chrna9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrb1	2.6	2.2	2.2	3.9	2.7	2.6	3.1	3.3	3.2	2.6	2.6	2.2
Chrb2	0.2	0.2	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.0
Chst1	0.2	0.3	0.4	0.3	0.2	0.5	0.5	0.6	0.4	0.3	0.2	0.2
Chst10	1.9	1.5	1.4	2.3	1.3	2.6	1.7	1.3	1.1	1.0	1.2	1.1
Chst11	3.6	3.3	3.6	3.3	4.3	2.9	3.9	3.9	4.9	5.5	3.5	7.0
Chst12	15.2	14.3	14.6	22.0	19.0	18.9	21.8	16.6	16.2	17.7	22.9	15.2
Chst13	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
Chst14	15.0	12.3	11.6	13.1	12.3	14.2	16.2	13.1	15.0	12.1	12.1	11.4
Chst15	0.4	0.5	0.4	0.6	0.8	0.7	0.7	0.5	0.6	1.2	1.0	0.9
Chst2	0.6	1.0	1.0	0.8	1.5	1.2	2.0	1.3	1.8	1.4	1.2	1.2
Chst3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Chst5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chst7	5.4	3.8	3.1	4.5	4.1	5.1	5.2	3.8	4.1	3.1	2.7	2.9
Chst8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chsy1	15.1	15.1	21.9	13.1	15.8	14.0	20.7	20.8	18.8	16.4	18.6	21.8
Chsy3	0.5	0.8	0.9	0.5	0.9	0.3	1.0	0.9	1.2	0.8	0.7	0.9
Chtf18	0.8	1.5	2.0	0.6	1.7	0.7	1.9	1.1	1.5	1.0	1.6	0.8
Chtf8	32.4	34.2	29.5	33.7	35.5	33.6	34.5	34.3	37.4	36.0	33.4	31.2
Chtop	15.6	13.8	16.0	14.0	14.1	15.8	14.0	17.4	16.3	16.3	15.4	16.0

Online Table 1

Chuk	17.9	19.8	16.6	16.1	17.5	17.4	16.8	14.4	18.2	17.7	18.9	17.3
Churc1	28.1	19.2	15.1	21.3	18.1	23.4	17.6	14.7	17.7	22.6	21.5	18.7
Ciao1	18.0	17.5	15.3	21.1	14.5	17.1	14.6	12.9	12.9	15.5	13.8	15.7
Ciapi1	2.3	2.1	1.7	2.3	2.4	1.6	2.4	2.2	2.5	2.0	2.1	1.9
Cib1	26.2	25.2	20.8	26.0	31.2	24.3	27.7	27.0	27.8	27.4	25.3	26.8
Cib2	7.5	6.5	4.9	5.7	4.0	7.0	3.9	3.6	3.8	5.6	5.0	5.0
Cib3	0.1	0.2	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Cic	2.8	3.4	3.6	3.3	3.9	3.2	4.0	3.5	3.5	3.0	2.5	2.3
Cideb	0.3	0.4	0.3	0.5	0.3	0.1	0.7	0.6	0.4	0.2	0.4	0.7
Ciita	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Cilp	0.1	0.4	2.4	0.0	0.2	0.1	0.3	2.3	0.7	0.5	1.0	0.5
Cilp2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
Cinp	8.7	9.6	9.4	9.6	8.8	9.0	9.7	9.6	8.9	9.2	9.7	9.2
Cir1	12.9	13.0	15.2	18.7	11.1	15.4	11.1	13.0	9.8	14.2	14.7	18.2
Cirbp	4.7	3.3	5.0	3.2	3.5	4.4	4.3	6.4	5.3	5.0	3.8	5.8
Cirh1a	15.3	15.9	12.7	16.3	14.6	15.4	12.9	14.1	11.1	14.8	14.7	13.5
Cisd1	35.8	29.5	23.4	29.3	28.8	31.1	26.6	22.0	25.8	30.1	26.1	26.5
Cisd2	8.7	8.0	10.0	10.0	9.0	8.9	9.0	9.9	9.5	8.7	10.7	9.7
Cisd3	15.0	13.7	14.0	15.0	13.3	13.8	11.7	13.6	12.7	11.6	13.5	11.6
Cish	0.5	0.3	0.3	0.1	0.7	0.5	0.5	0.3	0.4	0.5	0.3	0.3
Cit	0.2	0.3	0.7	0.1	0.6	0.1	0.9	0.3	0.6	0.3	0.4	0.3
Cited2	23.1	24.6	19.5	34.5	20.7	32.2	20.2	12.5	14.8	17.5	18.4	13.2
Cited4	0.2	0.2	0.1	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0
Ciz1	9.2	9.9	12.2	14.0	9.3	11.2	11.8	11.7	9.5	7.8	10.6	10.5
Ckap2	10.0	17.5	29.0	4.0	21.5	5.6	25.8	9.3	20.3	13.9	21.0	15.2
Ckap2l	2.1	4.4	7.6	1.0	5.7	0.6	9.8	3.1	6.7	2.7	6.1	4.4
Ckap4	43.3	40.4	48.2	42.8	44.0	37.8	60.8	53.1	50.3	51.8	51.3	49.2
Ckap5	21.6	22.9	23.3	19.4	21.9	22.3	22.1	21.5	23.2	19.8	24.0	22.8
Ckb	91.1	67.1	26.9	160.9	166.2	121.3	56.2	32.3	30.4	60.4	43.2	39.1
Cklf	9.1	10.3	6.2	10.7	14.6	6.8	8.8	5.4	10.7	8.7	8.9	7.6
Ckmt1	0.7	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.1	2.7	0.9	0.7
Cks1b	28.3	25.2	31.0	21.2	29.0	20.9	38.9	30.4	32.8	26.7	36.6	23.9
Cks2	16.3	24.2	32.8	18.5	33.7	16.6	34.4	20.9	32.5	24.0	29.7	24.9
Clasp1	11.7	12.2	12.4	12.1	12.4	12.8	13.2	11.0	11.5	12.3	12.8	12.4
Clasp2	11.3	16.6	16.5	10.8	14.8	13.8	17.1	15.2	20.5	13.2	15.0	17.3
Clasrp	5.5	6.1	7.7	5.9	5.1	5.6	7.9	5.7	7.0	6.8	6.5	6.4
Clca1	26.4	31.3	44.0	18.5	53.4	14.1	54.1	59.2	65.1	45.4	36.4	49.4
Clca2	3.3	3.6	4.9	2.0	5.8	1.4	5.5	6.9	8.1	5.9	4.0	6.3
Clca4	0.1	0.1	0.1	0.0	0.2	0.0	0.1	0.1	0.2	0.1	0.1	0.2
Clca5	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Clca6	0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Clcc1	13.5	13.4	16.3	13.1	14.2	14.8	12.2	11.6	13.4	12.7	12.6	13.6
Clcf1	5.5	6.4	5.9	3.7	4.0	4.7	6.0	7.6	5.7	7.2	8.1	5.5
Clcn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Clcn2	0.8	1.1	0.9	0.8	0.8	1.1	1.0	0.8	1.2	1.4	0.9	0.9
Clcn3	4.9	3.8	3.3	3.6	4.0	3.9	3.3	3.0	3.2	4.4	4.1	3.8
Clcn4-2	14.7	13.0	12.5	16.8	15.8	15.5	16.7	14.4	15.4	16.1	15.3	16.5
Clcn5	3.4	2.6	2.6	2.5	3.0	3.2	1.8	3.2	2.3	2.8	2.1	2.4
Clcn6	1.5	1.8	1.8	1.6	1.2	1.2	2.0	1.7	1.9	1.0	1.3	1.1
Clcn7	21.4	18.0	16.4	25.1	21.9	23.6	17.4	16.4	15.7	16.3	13.5	14.9
Clcnkb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn1	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1
Cldn10	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Cldn11	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Cldn12	8.5	10.4	9.8	9.4	9.4	9.4	11.4	11.2	11.4	12.3	12.3	10.8
Cldn15	8.3	15.8	10.9	7.9	10.4	8.6	13.3	16.3	13.1	18.8	14.0	7.4
Cldn19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Cldn20	0.1	0.1	0.2	0.2	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Cldn22	0.8	0.4	0.4	0.3	0.2	0.5	0.7	0.3	0.2	0.3	0.3	0.5
Cldn23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn24	0.1	0.0	0.3	0.0	0.2	0.0	0.0	0.1	0.1	0.2	0.1	0.1
Cldn25	12.9	13.8	13.5	12.9	12.3	15.0	13.5	13.3	15.4	15.0	14.8	14.9
Cldn3	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Cldn5	0.1	0.1	0.4	0.0	0.1	0.0	0.3	0.7	0.3	0.1	0.0	0.0
Cldn7	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0
Cldnd2	0.0	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Clec10a	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Clec11a	5.9	5.7	7.2	3.8	5.5	5.2	6.6	4.8	5.7	6.2	6.5	7.8
Clec12a	1.1	0.0	0.0	8.7	12.6	0.0	0.8	0.2	0.3	1.0	0.2	0.7
Clec14a	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.0
Clec16a	3.6	4.1	4.3	4.5	3.6	4.1	3.4	3.3	3.1	3.3	3.3	3.4
Clec18a	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clec1a	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.0	0.1	0.0
Clec2d	48.4	69.6	113.1	40.3	65.0	40.6	76.2	113.4	83.5	63.4	72.5	105.0
Clec2e	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1
Clec2g	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.1
Clec2h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clec2i	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Clec2l	0.0	0.1	0.1	0.0	0.1	0.2	0.2	0.2	0.3	0.1	0.0	0.0
Clec3b	0.1	0.3	0.8	0.0	0.0	0.0	0.3	1.0	0.4	0.1	0.2	0.2
Clec4a1	0.4	0.0	0.0	1.7	9.0	0.0	1.1	0.2	0.4	0.5	0.2	0.3
Clec4a2	0.1	0.0	0.0	0.6	2.2	0.0	0.3	0.1	0.1	0.1	0.1	0.1
Clec4a3	0.1	0.0	0.0	0.4	0.5	0.0	0.3	0.0	0.1	0.1	0.1	0.1
Clec4a4	0.2	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clec4d	4.8	0.1	0.2	42.2	65.5	0.0	5.9	0.9	0.9	4.6	1.1	2.5
Clec4e	0.3	0.0	0.1	3.1	4.1	0.0	0.4	0.0	0.1	0.4	0.1	0.3
Clec4f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clec4n	7.7	0.1	0.7	26.1	51.3	0.0	2.1	0.7	0.3	1.8	0.7	0.5
Clec5a	0.4	0.0	0.0	3.3	6.2	0.0	0.7	0.1	0.1	0.4	0.2	0.4
Clec7a	0.4	0.0	0.0	2.0	1.5	0.0	0.3	0.1	0.0	0.2	0.3	0.1
Clec9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Clgn	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clhc1	0.4	0.7	1.0	0.4	1.2	0.3	1.7	0.9	1.0	0.7	0.8	0.7
Clc1	129.3	107.9	109.2	147.3	151.2	121.7	128.4	117.7	117.1	130.8	132.7	132.7
Clc3	0.4	0.3	0.0	0.0	0.2	0.4	0.2	0.5	0.2	0.1	0.2	0.2
Clc4	162.7	153.7	140.7	172.8	153.6	138.6	145.7	138.0	135.6	129.6	154.2	153.4
Clc5	0.3	0.1	0.0	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Clc6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clint1	37.5	36.5	37.5	41.1	36.5	35.6	48.2	40.8	39.2	38.4	47.1	47.3
Clip1	63.5	59.2	56.8	64.1	51.5	50.8	54.8	49.4	40.7	45.3	54.9	58.9
Clip2	9.8	8.9	7.6	12.5	11.4	10.7	11.6	7.8	10.3	9.4	9.5	9.8
Clip3	2.5	3.0	3.4	2.6	2.6	3.7	2.7	3.3	2.8	3.1	3.7	3.3
Clip4	0.8	0.8	1.0	1.1	0.4	1.1	0.7	0.7	0.3	0.6	0.8	0.8
Clk1	29.0	33.0	37.8	28.3	31.9	31.1	32.7	32.9	30.4	32.9	33.1	36.2
Clk2	6.5	7.0	8.5	8.2	7.3	6.8	8.2	7.8	7.5	7.1	7.7	7.7
Clk3	14.9	16.4	17.4	16.0	15.7	15.3	18.8	16.3	16.9	15.4	16.4	16.5
Clk4	10.8	12.8	14.5	12.9	10.3	11.2	12.8	12.5	11.7	11.2	13.6	12.4
Clmn	0.1	0.2	0.2	0.1	0.0	0.1	0.0	0.1	0.0	0.2	0.2	0.1
Clmp	14.5	26.8	52.9	15.2	30.9	13.7	32.8	52.2	28.6	19.9	24.6	28.7
Cln3	0.5	0.8	0.6	1.7	2.2	0.7	0.7	0.4	0.6	1.1	0.7	0.7
Cln5	31.5	24.3	23.5	36.6	33.4	32.1	27.1	24.9	25.9	31.2	30.7	34.3
Cln6	2.3	3.0	3.1	2.4	3.5	2.6	2.2	3.9	3.3	2.6	3.0	1.9
Cln8	3.8	3.0	2.8	4.4	4.6	3.4	2.4	2.5	2.5	3.3	2.7	2.5
Clnk	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0

Online Table 1

Clns1a	12.2	11.9	10.1	11.1	11.7	12.1	10.9	11.6	11.2	12.4	11.7	10.0
Clock	11.0	12.0	12.3	12.2	10.5	11.1	10.2	11.8	10.9	10.1	13.6	12.3
Clp1	4.6	4.3	3.2	3.6	4.5	3.8	3.9	3.7	3.6	3.8	3.0	3.9
Clpb	8.0	6.9	7.3	9.0	6.1	8.2	7.2	7.4	6.0	6.1	6.8	6.4
Clpp	19.4	17.3	14.6	25.3	15.5	21.4	17.9	18.7	13.9	20.1	21.2	16.4
Clptm1	24.5	24.6	23.2	28.7	27.3	25.2	28.4	27.4	26.4	26.9	24.5	24.8
Clptm1l	70.3	63.5	55.5	81.2	67.6	75.5	63.9	56.5	60.1	63.5	65.7	61.8
Clpx	10.9	12.3	12.1	8.8	9.2	9.0	8.7	10.7	10.8	11.4	10.7	11.8
Clspn	1.2	2.2	3.8	0.5	2.9	0.5	4.2	2.1	2.3	1.4	2.2	1.8
Clstn1	43.6	42.2	39.3	44.3	38.8	48.2	46.2	46.8	40.0	35.3	38.6	37.2
Clstn2	0.1	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1
Clstn3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clta	183.8	143.1	160.5	187.1	157.5	152.1	157.9	147.8	132.9	171.1	174.5	178.5
Cltb	90.5	83.5	81.7	110.7	73.7	79.3	108.8	91.7	80.9	85.2	109.2	88.8
Cltc	89.9	85.9	74.4	86.4	93.0	86.1	78.4	91.1	83.4	88.5	89.5	82.8
Clu	10.2	12.7	23.8	6.0	7.8	7.7	5.5	14.7	7.2	32.2	16.6	14.0
Cluap1	9.8	9.9	8.5	7.7	6.4	9.8	5.6	7.9	7.1	8.3	7.7	7.8
Cluh	7.1	5.5	5.0	6.9	7.0	6.9	7.0	6.2	5.4	5.4	5.5	4.8
Clvs1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Clybl	7.2	8.3	9.9	6.4	6.8	9.2	7.3	8.1	6.5	5.5	6.9	6.4
Cma1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cmah	0.4	0.5	0.5	0.6	0.8	0.2	1.0	0.9	0.9	0.7	1.3	1.1
Cmas	28.1	22.0	18.2	30.3	22.8	27.8	22.8	19.5	20.4	24.4	27.2	23.6
Cmbl	2.1	0.6	0.5	2.1	0.7	2.5	1.2	0.6	0.9	1.1	0.5	0.7
Cmc1	9.2	8.3	6.3	7.7	8.7	8.1	5.9	6.0	7.3	9.2	8.0	9.8
Cmc2	7.6	5.6	7.1	6.2	6.8	6.1	6.3	5.3	5.1	6.9	5.5	6.7
Cmip	3.0	3.9	4.4	3.4	4.9	3.4	4.2	3.1	3.1	2.8	3.2	3.1
Cmklr1	2.8	2.8	3.6	2.6	3.1	0.9	4.4	8.4	5.1	2.0	4.3	3.4
Cml1	1.3	0.8	1.3	1.3	1.1	0.9	0.5	0.6	0.6	1.5	0.7	0.6
Cml2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cml3	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.1
Cmpk1	35.6	34.5	35.0	43.1	36.9	31.9	29.8	28.3	30.2	36.4	37.6	38.1
Cmpk2	1.8	0.4	0.4	2.8	0.5	1.0	0.3	0.4	0.3	0.2	0.5	1.0
Cmss1	4.1	3.5	3.1	3.2	2.5	6.0	2.3	3.9	2.6	3.0	3.7	3.1
Cmtm3	17.7	19.5	19.6	26.8	24.2	29.0	24.2	24.1	19.9	23.0	22.9	22.2
Cmtm4	15.3	14.2	11.9	16.8	14.5	20.5	14.1	9.4	13.3	13.2	13.0	13.9
Cmtm5	0.1	0.4	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.3	0.4	0.2
Cmtm6	26.8	25.5	20.9	30.1	26.2	24.0	25.0	18.1	25.5	23.0	24.3	22.3
Cmtm7	30.2	25.8	20.9	33.0	31.3	27.0	26.7	24.9	25.6	30.7	28.8	24.3
Cmtm8	0.2	0.0	0.2	0.4	0.2	0.0	0.2	0.2	0.2	0.1	0.1	0.1
Cmya5	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Cnbd2	1.0	1.1	1.2	1.5	1.0	1.1	0.7	0.9	0.5	0.8	1.1	0.8
Cnbp	85.9	75.6	74.5	93.4	81.4	91.8	71.5	72.9	76.5	89.8	83.6	81.3
Cndp2	55.1	45.5	36.5	76.9	77.2	59.5	50.7	39.8	47.2	43.4	44.5	49.4
Cnep1r1	11.3	12.0	12.0	10.4	12.1	10.7	11.3	10.5	13.2	11.8	13.6	13.4
Cnga2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cnga3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cngb1	0.1	0.1	0.2	0.2	0.1	0.3	0.1	0.2	0.1	0.2	0.3	0.1
Cngb3	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cnih	64.0	60.1	58.1	72.8	61.4	73.4	72.7	62.0	70.1	71.7	82.1	72.5
Cnih2	0.3	0.4	0.4	0.1	0.2	0.5	0.4	0.5	0.3	0.5	0.4	0.6
Cnih4	10.4	9.4	8.8	11.9	9.5	10.2	10.1	8.4	9.0	12.4	10.9	11.1
Cnksr1	0.4	0.2	0.4	0.2	0.3	0.2	0.0	0.1	0.1	0.1	0.2	0.1
Cnksr3	1.9	1.9	2.4	1.8	1.9	1.8	1.4	1.6	1.6	2.7	1.7	2.0
Cnn1	4.1	2.0	1.0	5.4	3.9	3.0	8.8	2.9	10.3	18.7	28.9	12.3
Cnn2	173.6	169.5	140.8	182.5	186.1	146.8	282.4	203.4	254.4	194.7	268.8	208.6
Cnn3	128.9	135.8	155.3	127.0	127.3	124.6	173.1	200.5	178.3	161.2	202.2	193.5

Online Table 1

Cnm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cnm2	3.0	2.6	2.7	3.0	2.2	2.4	2.1	2.5	2.3	2.4	2.2	2.4
Cnm3	1.5	1.8	1.7	1.4	1.4	1.6	1.7	1.9	1.7	1.4	1.4	1.6
Cnm4	1.3	1.4	1.3	1.2	1.5	1.4	1.4	1.2	1.2	1.5	1.3	1.0
Cnot1	13.8	15.3	17.0	13.5	16.2	13.4	14.8	18.0	14.4	14.0	15.2	14.3
Cnot10	7.6	8.5	8.0	7.1	7.0	8.0	7.6	7.7	7.8	8.4	7.9	7.7
Cnot11	5.2	5.3	6.4	5.7	5.8	5.2	5.7	6.3	6.6	6.8	5.9	6.5
Cnot2	17.9	18.3	21.4	18.1	15.9	17.6	18.2	18.8	17.5	18.2	20.3	20.5
Cnot3	2.1	2.8	3.4	2.0	2.9	2.0	3.2	3.8	3.2	2.9	3.5	3.0
Cnot4	5.4	5.7	6.0	7.6	5.8	6.6	5.8	5.6	4.6	4.7	6.1	5.9
Cnot6	5.6	7.1	8.6	3.6	7.9	4.6	6.6	8.0	8.6	8.3	7.2	8.0
Cnot6l	2.6	3.7	4.6	3.8	3.9	2.7	3.4	3.2	3.5	4.0	3.6	3.6
Cnot7	11.9	14.3	14.7	11.7	13.5	12.0	12.2	12.7	13.2	14.4	16.5	15.0
Cnot8	25.6	25.4	24.4	27.1	23.7	26.1	26.3	25.1	23.9	26.5	25.8	25.5
Cnp	6.3	7.0	7.0	6.8	8.1	7.3	5.6	4.4	6.0	5.1	4.8	4.9
Cnppd1	12.9	11.5	11.5	13.3	11.3	12.7	12.9	12.1	14.4	13.6	11.3	13.2
Cnpy2	61.2	52.5	64.5	57.6	50.9	56.4	59.7	64.8	61.0	70.6	59.9	74.0
Cnpy3	27.1	23.6	24.3	31.2	27.2	34.2	25.7	27.4	24.7	24.0	22.8	25.4
Cnpy4	23.2	22.1	22.5	28.9	20.9	26.0	24.3	22.3	20.5	17.9	23.6	22.7
Cnr1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
Cnr2	0.1	0.0	0.0	0.8	1.3	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Cnrip1	16.2	15.3	16.4	19.0	13.3	16.2	15.7	13.4	14.3	12.3	14.8	15.3
Cnst	3.6	4.0	3.8	3.9	3.9	3.4	4.4	4.1	4.8	3.9	4.5	4.3
Cntd1	0.1	0.1	0.6	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.1
Cntf	0.1	0.0	0.3	0.1	0.3	0.5	0.3	0.4	0.6	0.0	0.0	0.5
Cntfr	0.2	0.2	0.5	0.2	0.3	0.3	0.1	0.1	0.2	0.2	0.2	0.3
Cntln	4.6	5.5	6.3	4.4	3.8	5.1	4.5	5.5	3.9	3.8	5.4	5.3
Cntn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntn2	4.9	8.5	8.4	5.2	4.2	5.1	4.3	4.2	4.5	2.0	2.4	1.4
Cntn4	0.2	0.1	0.0	0.3	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1
Cntn5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Cntnap1	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.2	0.2
Cntnap2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntnap3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntnap5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntnap5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntrob	1.9	1.9	2.4	1.5	1.8	2.0	2.4	2.3	2.5	2.1	1.8	1.9
Coa3	46.1	46.0	39.9	54.5	42.4	57.1	43.4	45.6	44.8	42.3	37.6	43.9
Coa4	6.1	5.2	4.9	5.8	6.4	7.9	4.3	5.5	3.7	5.9	5.3	5.8
Coa5	27.4	24.0	20.2	28.9	24.4	27.1	21.8	20.8	20.4	23.6	24.9	22.2
Coa6	11.3	10.7	6.4	11.0	10.3	13.9	9.4	8.2	8.8	11.6	9.0	7.2
Coasy	8.6	6.1	5.1	8.7	6.5	8.7	7.1	5.9	6.8	8.7	5.7	7.3
Cobl	5.1	2.1	0.9	4.8	1.4	3.1	1.5	0.3	0.5	1.9	2.4	1.0
Cobl1	5.9	4.8	5.3	3.0	2.6	3.0	3.1	3.7	2.6	8.1	6.3	5.7
Coch	0.3	0.4	0.3	0.0	0.3	0.3	0.3	0.1	0.2	0.2	0.3	0.1
Cog1	11.1	10.7	10.2	10.8	11.1	10.8	11.5	11.3	11.1	9.4	10.4	10.1
Cog2	10.1	11.1	10.3	10.7	10.5	11.9	10.7	12.4	11.6	11.9	10.9	10.5
Cog3	11.8	11.6	10.7	11.6	10.3	11.6	10.8	11.0	12.2	10.9	12.8	12.7
Cog4	37.4	38.4	37.0	37.4	39.4	45.6	37.5	38.7	34.3	39.3	38.1	35.5
Cog5	11.1	11.1	8.4	9.7	9.9	10.5	7.2	9.6	8.6	8.7	8.2	8.7
Cog6	15.9	15.1	13.0	13.7	13.9	15.4	12.8	12.6	14.7	15.5	17.7	16.2
Cog7	12.6	12.1	11.3	13.4	10.4	13.1	9.1	8.7	9.6	8.2	9.0	10.0
Cog8	13.8	13.5	12.9	12.3	12.0	12.2	11.3	14.2	12.8	14.0	13.4	12.1
Coil	2.4	2.3	2.4	2.6	2.0	2.4	2.2	2.6	2.3	2.6	2.5	2.4
Col10a1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1
Col11a1	7.7	12.4	16.8	3.6	17.4	5.3	20.2	24.7	34.4	8.0	11.6	11.9
Col11a2	0.3	0.3	0.2	0.4	0.3	0.5	0.4	0.1	0.4	0.4	0.2	0.2

Online Table 1

Col12a1	89.9	94.3	86.6	66.7	83.6	58.7	72.8	89.7	87.7	75.5	87.0	72.2
Col13a1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Col14a1	16.8	53.6	103.2	12.3	54.1	12.7	35.1	79.4	79.8	27.5	22.6	63.2
Col15a1	0.6	0.5	1.3	0.2	0.8	0.2	1.5	1.3	2.0	2.0	0.7	2.0
Col16a1	32.5	33.2	36.1	27.3	30.6	36.6	41.2	40.0	42.2	40.2	34.4	37.3
Col17a1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Col18a1	7.8	8.5	10.9	4.8	7.1	5.8	6.6	8.3	6.4	4.4	4.0	4.5
Col19a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Col1a1	120.6	200.1	239.2	78.3	159.3	95.1	169.7	353.2	281.8	216.3	173.5	134.1
Col1a2	309.7	440.3	716.6	131.1	378.0	256.5	531.0	1042.3	978.3	662.3	522.0	545.8
Col20a1	0.4	0.4	0.3	0.5	0.3	0.9	0.2	0.2	0.3	0.3	0.4	0.3
Col22a1	0.5	0.2	0.2	0.2	0.5	0.1	0.2	0.1	0.1	0.1	0.0	0.1
Col23a1	0.3	0.2	0.2	0.3	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Col24a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Col25a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Col26a1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Col27a1	0.4	0.3	0.5	0.3	0.5	0.2	0.5	0.7	0.7	1.0	0.6	0.5
Col28a1	8.4	14.5	28.7	5.5	21.6	1.3	38.9	26.5	49.5	10.8	18.2	20.5
Col2a1	0.2	0.0	0.2	0.1	0.2	0.4	1.2	0.9	0.8	1.3	2.5	0.5
Col3a1	1324.3	1836.6	2732.5	738.9	1244.5	544.6	1525.1	3090.8	2898.3	1828.3	1646.4	2457.6
Col4a1	465.5	612.7	615.7	413.6	560.6	562.7	567.2	473.7	624.0	527.5	465.7	516.7
Col4a2	235.0	295.8	331.8	233.5	284.1	285.5	311.9	269.8	311.6	246.0	221.3	257.4
Col4a3	0.5	0.3	0.4	0.3	0.1	0.3	0.1	0.2	0.1	0.1	0.1	0.1
Col4a3bp	11.7	7.7	6.4	12.8	8.7	9.6	9.2	7.0	8.2	8.9	11.4	11.2
Col4a4	0.4	0.2	0.4	0.1	0.1	0.3	0.1	0.2	0.1	0.0	0.0	0.1
Col4a5	123.0	127.7	119.0	96.4	108.6	111.7	105.2	118.3	150.4	119.9	107.1	111.2
Col4a6	17.2	13.8	11.9	13.6	12.8	13.2	13.5	12.8	22.0	29.1	21.1	21.1
Col5a1	76.4	87.5	90.9	59.7	81.0	64.4	110.8	155.5	161.6	83.9	86.6	78.3
Col5a2	1028.7	963.4	921.2	731.1	729.4	671.2	802.7	951.2	1069.1	743.2	785.0	816.5
Col5a3	2.0	2.6	3.2	1.8	2.8	2.0	1.7	4.6	2.4	2.3	2.3	1.4
Col6a1	156.9	210.9	356.2	110.8	263.1	95.4	301.1	316.2	313.2	252.6	270.0	358.6
Col6a2	46.6	76.9	138.7	23.0	84.1	20.0	100.8	123.9	106.2	90.3	91.3	131.8
Col6a3	1.3	1.9	3.9	0.8	2.9	1.6	2.1	5.0	3.3	4.8	4.6	3.5
Col6a4	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Col6a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Col6a6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Col7a1	0.6	0.8	0.6	1.0	0.8	1.1	0.7	0.3	0.6	0.5	0.3	0.3
Col8a1	361.4	427.0	552.1	333.8	433.8	362.4	522.5	556.4	626.3	444.6	526.2	550.8
Col8a2	0.9	1.3	2.2	0.3	0.6	0.6	0.9	2.5	1.7	2.8	4.1	1.8
Col9a2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1
Col9a3	0.2	0.3	0.2	0.2	0.3	0.4	0.2	0.1	0.2	0.3	0.2	0.2
Colec10	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Colec11	3.3	4.7	5.9	2.9	4.1	2.6	3.7	2.7	3.3	8.5	3.3	6.3
Colec12	38.1	55.2	81.3	33.0	45.3	38.6	41.7	54.2	56.6	68.1	49.6	66.4
Colq	0.3	0.2	0.3	0.3	0.5	0.1	0.3	0.1	0.1	0.1	0.1	0.1
Commd1	46.8	35.9	39.8	49.0	39.3	47.6	42.6	43.0	39.7	39.1	42.8	36.1
Commd10	13.1	11.0	10.3	14.7	11.2	12.7	12.3	13.0	13.0	10.0	12.5	9.8
Commd2	4.4	4.4	3.8	4.8	4.9	3.6	3.8	4.4	4.8	4.0	4.8	3.9
Commd3	126.4	113.4	106.6	124.0	102.5	125.9	102.0	108.8	100.6	120.4	127.2	119.0
Commd4	27.8	26.2	19.3	30.3	27.1	29.9	25.0	23.6	27.7	26.9	21.9	21.4
Commd5	13.8	13.6	11.2	14.2	12.7	17.8	13.4	13.3	14.8	15.3	12.5	13.1
Commd6	25.2	25.2	18.0	21.4	22.3	23.5	18.2	20.1	23.5	27.0	23.8	22.0
Commd7	11.4	9.6	9.0	12.7	11.8	10.8	10.7	10.0	11.1	10.9	12.2	10.5
Commd8	13.1	14.4	13.7	15.0	14.2	15.2	11.7	12.8	12.1	15.6	15.3	15.1
Commd9	17.1	14.9	11.3	20.4	16.5	17.1	15.0	14.7	15.4	16.4	17.1	14.0
Comp	3.0	4.1	15.6	0.6	2.0	0.7	5.4	21.7	8.1	4.3	7.5	15.0
Comt	71.9	79.5	83.5	76.4	71.9	66.6	91.8	109.6	90.9	63.0	79.0	73.4

Online Table 1

Comtd1	7.8	5.7	3.9	7.7	6.1	9.2	5.0	5.0	5.3	5.9	5.2	5.1
Copa	127.7	114.6	107.1	126.9	110.0	122.4	105.6	119.9	102.0	106.3	118.3	112.4
Copb1	56.5	58.4	50.7	52.5	53.0	49.5	47.9	54.3	57.3	58.3	60.4	57.8
Copb2	139.4	123.9	120.1	140.9	117.6	134.9	123.1	120.8	108.7	126.7	136.4	145.1
Cope	68.8	62.8	58.1	77.1	68.9	67.0	63.1	73.7	63.0	62.9	67.4	63.1
Copg1	69.2	60.7	55.5	71.1	63.0	65.8	66.5	67.0	58.2	62.8	68.6	62.6
Copg2	25.1	21.5	16.1	20.2	17.7	23.5	14.3	17.7	17.3	17.0	19.4	16.3
Coprs	19.0	18.4	11.6	17.2	14.4	21.8	14.7	12.2	14.3	17.1	13.7	14.7
Cops2	33.1	40.4	43.6	44.0	40.5	44.9	38.5	39.9	39.7	45.0	52.0	50.1
Cops3	44.3	41.4	40.7	43.5	35.8	39.8	35.2	37.1	35.9	42.1	47.3	42.7
Cops4	40.9	36.6	34.2	42.5	34.8	38.3	37.9	34.0	33.5	41.9	41.7	41.1
Cops5	51.7	44.4	39.7	43.3	43.4	41.3	40.9	42.2	47.0	46.3	47.5	42.8
Cops6	45.5	46.3	41.5	42.5	41.9	42.0	39.6	45.4	41.9	45.9	41.6	42.7
Cops7a	31.1	30.9	28.7	36.2	31.0	32.3	35.2	33.2	29.3	29.9	30.2	25.7
Cops7b	4.6	4.9	3.6	4.4	4.5	5.3	5.0	5.4	4.3	4.2	5.3	3.9
Cops8	30.6	29.7	22.7	29.2	27.0	28.7	25.4	26.2	26.1	26.2	26.9	25.1
Copz1	32.0	33.5	28.4	32.2	31.5	32.1	29.5	35.9	29.4	34.3	29.9	29.7
Copz2	116.2	88.6	92.3	127.5	84.0	120.0	113.5	103.6	98.2	95.6	113.0	114.4
Coq10a	4.7	4.1	3.5	4.2	3.6	5.7	3.2	3.8	3.7	3.7	3.7	4.1
Coq10b	35.1	37.7	30.0	30.9	32.1	31.3	31.7	32.1	40.9	39.0	39.3	36.3
Coq2	24.8	22.9	18.8	26.8	21.9	26.9	23.3	18.2	23.2	22.6	24.1	20.5
Coq3	6.7	6.2	4.9	6.0	5.1	6.8	5.3	4.9	4.3	4.9	5.9	5.5
Coq4	2.6	2.0	2.3	3.0	2.4	3.2	2.4	2.6	2.1	2.4	2.3	1.8
Coq5	11.3	10.2	9.3	11.0	9.8	12.4	8.7	9.0	8.8	8.6	8.8	10.6
Coq6	7.1	5.9	4.7	6.6	5.6	6.1	4.8	5.4	5.9	5.5	5.1	5.5
Coq7	13.6	11.5	11.3	13.9	10.6	14.2	10.0	10.2	8.1	9.3	9.2	10.8
Coq9	15.0	13.5	12.7	14.5	11.9	15.1	12.1	14.7	12.3	13.2	12.2	12.7
Corin	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Coro1a	2.6	0.1	0.1	21.2	50.2	0.2	7.2	0.6	1.5	3.5	0.9	2.0
Coro1b	57.6	54.6	53.6	64.1	70.4	61.8	55.1	62.7	56.5	59.2	55.3	61.2
Coro1c	51.9	42.4	35.1	67.7	55.3	48.2	60.3	42.6	48.8	41.8	53.4	45.4
Coro2a	0.1	0.0	0.0	1.4	2.9	0.0	0.4	0.1	0.1	0.1	0.1	0.2
Coro2b	0.5	0.6	1.2	0.6	0.5	0.9	0.6	0.9	0.4	0.5	0.9	0.5
Coro6	0.2	0.2	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.5	0.1
Coro7	3.5	3.3	2.8	3.8	4.6	3.2	3.4	2.9	3.3	2.5	2.7	2.5
Cotl1	10.5	10.2	10.8	23.5	39.1	10.8	11.6	8.6	9.5	12.3	9.3	7.8
Cox10	2.5	2.3	1.9	3.0	2.4	2.4	2.2	2.3	2.5	2.2	2.4	1.7
Cox11	2.1	2.5	2.0	1.7	2.3	2.5	2.1	2.3	2.4	2.7	2.7	2.0
Cox14	34.6	32.2	21.7	30.6	34.1	34.5	24.7	31.3	33.1	39.9	26.1	27.8
Cox15	4.6	4.1	4.3	4.1	4.0	4.5	3.7	4.9	4.7	3.5	4.1	4.0
Cox16	6.2	6.2	6.5	7.9	6.8	6.8	6.8	7.0	6.3	6.3	7.7	7.9
Cox17	87.1	72.4	51.8	77.9	72.3	96.6	62.5	53.4	56.1	74.0	60.0	66.8
Cox18	8.3	8.7	6.8	7.8	7.9	8.1	9.0	8.0	7.3	7.8	8.4	7.6
Cox19	32.0	33.0	21.8	28.5	25.0	27.9	25.4	23.3	22.7	30.2	24.5	26.7
Cox20	38.3	35.5	39.7	44.4	32.7	41.8	39.3	39.6	34.7	41.0	46.2	41.0
Cox4i1	418.0	320.0	277.1	354.0	334.2	368.8	281.5	302.3	291.9	355.4	311.5	303.5
Cox4i2	0.4	1.6	2.3	0.3	0.5	0.5	0.7	0.6	0.5	0.3	0.8	0.5
Cox5a	96.0	70.2	50.8	67.1	83.7	71.1	56.0	64.5	69.4	74.6	66.8	68.1
Cox5b	163.6	130.8	122.9	146.1	124.5	130.8	133.7	141.4	128.7	146.0	152.9	148.6
Cox6a1	294.8	257.2	206.0	289.9	255.5	242.9	242.9	232.7	245.8	259.4	262.8	243.8
Cox6a2	3.5	1.7	1.2	6.1	0.6	3.5	1.0	2.4	1.4	0.9	1.7	1.0
Cox6b1	358.4	282.8	262.5	358.8	278.6	327.9	291.9	280.9	257.7	298.5	322.3	319.2
Cox6b2	6.0	7.3	6.0	1.7	4.2	2.1	3.5	1.9	3.9	10.0	4.4	2.5
Cox6c	292.9	236.2	231.6	256.5	244.9	285.5	201.8	207.6	222.0	269.2	253.8	254.2
Cox7a1	1.8	1.0	0.9	0.9	2.1	0.7	0.5	0.2	1.2	2.5	2.0	2.9
Cox7a2	129.1	110.9	90.8	108.7	110.7	109.9	95.8	86.3	99.2	114.7	109.7	103.6
Cox7a2l	203.7	141.5	156.5	183.4	162.8	204.1	155.9	167.3	149.5	175.8	180.9	176.5

Online Table 1

Cox7b	95.2	79.7	69.0	89.6	79.6	84.0	74.1	83.1	71.5	85.2	96.6	86.8
Cox7c	169.3	148.1	128.8	160.7	142.6	164.9	136.2	134.8	143.3	163.3	143.9	145.7
Cox8a	312.7	256.5	216.9	286.6	265.2	278.1	233.9	223.7	245.4	306.8	260.4	238.0
Cp	17.6	15.8	25.0	19.8	19.4	17.2	15.7	15.7	13.4	10.0	9.3	11.6
Cpa1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.0
Cpa2	0.1	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.1	0.1	0.0	0.0
Cpa3	0.1	0.2	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.0
Cpa4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Cpa6	0.3	0.1	0.0	0.1	0.3	0.3	0.3	0.2	0.3	0.0	0.1	0.2
Cpb1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpb2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpd	50.3	70.0	58.6	51.6	69.1	35.2	56.3	46.9	52.5	45.4	48.4	53.5
Cpe	255.9	204.5	193.4	122.6	168.5	244.8	172.9	206.1	183.0	294.6	286.5	249.0
Cpeb1	14.4	12.0	9.4	20.1	11.6	20.4	10.8	8.0	8.1	9.6	9.3	9.3
Cpeb2	0.8	0.8	0.8	1.0	1.4	0.8	0.9	1.0	0.8	1.0	0.9	0.8
Cpeb3	0.7	0.9	0.9	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.8	0.7
Cpeb4	6.6	7.5	6.4	9.3	8.7	6.2	6.3	5.3	6.7	7.0	6.3	7.1
Cped1	20.9	19.1	20.7	16.7	13.6	20.1	13.5	17.0	16.4	12.2	14.8	20.4
Cphx1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Cphx2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cplx2	0.9	0.7	0.8	0.9	0.4	0.8	0.8	0.6	0.6	1.3	1.4	1.1
Cplx3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1
Cpm	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.1	0.1	0.4	0.1	0.1
Cpne1	17.1	20.1	23.3	17.4	21.3	17.5	22.4	24.5	23.2	21.1	20.1	23.2
Cpne2	9.3	9.4	9.7	12.4	9.4	11.1	8.7	8.7	8.2	6.5	7.4	7.9
Cpne3	23.2	22.8	21.7	25.3	22.6	24.9	21.5	20.0	20.7	22.3	26.3	22.4
Cpne4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpne5	0.8	0.6	0.3	1.2	0.7	1.4	0.6	0.2	0.4	0.5	0.4	0.3
Cpne7	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Cpne8	44.8	44.9	39.7	43.1	42.8	37.0	41.6	31.6	46.3	42.8	44.8	47.2
Cpne9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpox	10.4	9.3	10.6	8.0	7.5	9.5	8.0	10.0	8.1	8.1	9.7	8.3
Cpped1	14.7	15.6	15.2	14.2	14.2	14.4	14.6	12.8	12.6	15.9	14.7	14.9
Cpq	120.0	115.6	98.6	94.3	78.3	122.0	68.4	61.1	72.0	83.7	80.3	71.3
Cps1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpsf1	8.6	8.9	7.2	9.0	9.9	9.9	7.8	8.5	7.8	7.7	7.8	7.0
Cpsf2	12.0	12.0	12.0	11.5	11.6	11.4	11.9	11.7	11.8	11.7	12.4	12.8
Cpsf3	24.8	23.2	21.6	26.2	22.8	25.9	20.1	22.5	17.0	20.7	22.3	21.1
Cpsf3l	12.4	12.3	11.2	12.4	12.2	11.8	12.4	11.7	12.1	11.2	11.3	10.8
Cpsf4	3.8	4.1	3.7	4.2	4.9	4.6	4.7	4.9	4.3	4.2	4.1	3.8
Cpsf4l	0.0	0.1	0.1	0.0	0.1	0.0	0.3	0.1	0.1	0.1	0.1	0.1
Cpsf6	5.9	7.3	8.5	6.5	6.8	7.2	7.1	7.8	6.4	7.2	7.9	8.0
Cpsf7	5.2	5.6	6.2	5.8	5.2	5.2	6.3	6.9	5.3	5.2	5.9	5.8
Cpt1a	18.0	11.7	11.9	26.3	19.6	19.8	15.1	18.3	13.8	21.7	14.5	18.9
Cpt1b	0.0	0.3	0.1	0.5	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.1
Cpt1c	17.2	17.3	17.6	14.2	14.9	18.5	15.6	14.7	16.6	20.5	14.9	14.3
Cpt2	10.0	15.0	13.8	10.3	10.6	10.2	10.4	17.7	13.1	13.6	13.1	11.4
Cpxm1	6.2	16.1	28.1	4.1	13.8	2.2	4.6	13.9	10.4	25.1	7.3	14.6
Cpxm2	3.7	3.2	7.3	0.7	2.0	0.6	4.1	9.6	6.0	6.8	10.3	13.5
Cpz	0.4	0.4	0.5	0.4	0.5	0.0	0.3	0.5	0.9	8.2	2.6	2.3
Cr1l	28.7	24.6	26.5	34.0	26.0	24.6	28.0	28.2	27.6	25.9	27.6	29.8
Cr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Crabp1	1.3	0.7	2.4	0.3	0.5	0.3	0.6	2.7	0.8	0.2	0.8	1.1
Crabp2	2.9	0.7	0.2	0.7	0.4	0.7	0.3	1.4	0.9	1.7	2.7	2.4
Cradd	3.6	3.2	3.2	2.9	3.3	3.1	3.0	3.0	2.7	2.9	1.5	3.1
Cramp1l	1.9	2.4	2.3	1.7	2.2	1.8	2.2	2.0	2.3	2.0	1.9	1.7
Crat	9.5	9.2	9.3	10.2	10.2	9.8	12.1	10.3	10.8	8.5	10.3	10.0

Online Table 1

Crb2	0.7	0.3	0.3	0.4	0.4	0.3	0.6	0.4	1.1	3.3	1.5	1.1
Crbn	12.4	12.3	11.7	16.1	13.1	14.5	12.3	10.8	11.2	12.6	13.4	13.9
Crcp	16.6	11.3	10.5	18.0	15.2	17.7	17.0	14.3	14.6	13.9	19.6	15.2
Crct1	12.3	2.9	0.7	3.4	1.1	3.1	1.7	0.2	0.3	2.0	2.6	2.0
Creb1	4.2	5.0	6.2	4.3	5.0	4.6	4.8	5.5	4.9	4.8	5.8	5.5
Creb3	67.9	51.0	44.8	67.1	51.7	54.0	67.3	45.4	57.3	66.9	66.7	63.9
Creb3l1	2.7	3.0	3.6	2.7	3.5	2.3	4.6	7.2	6.5	4.9	5.9	4.8
Creb3l2	13.0	14.7	14.4	13.8	16.2	13.1	19.6	14.7	15.8	15.8	15.7	15.5
Creb3l3	0.3	0.2	0.3	0.1	0.1	0.1	0.3	0.4	0.2	0.3	0.2	0.3
Creb3l4	1.5	1.4	1.5	1.7	1.3	1.5	1.1	1.2	1.1	0.7	1.7	1.3
Creb5	0.1	0.0	0.0	0.2	0.6	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Crebbp	4.9	6.5	7.4	5.8	6.2	5.0	7.4	6.8	6.3	5.3	5.8	5.0
Crebl2	17.8	13.9	10.8	20.5	11.7	19.7	10.4	7.8	10.5	13.3	11.5	12.9
Crebrf	12.2	12.3	12.9	15.0	10.4	14.9	9.3	9.6	10.0	12.6	11.9	14.3
Crebzf	11.6	8.6	8.9	9.4	8.1	8.8	8.2	9.5	11.8	11.0	8.9	10.4
Creg1	68.6	60.1	53.6	125.3	119.0	84.2	43.2	45.1	36.0	59.9	46.1	54.6
Creg2	0.0	0.0	0.0	0.4	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Creld1	25.0	23.5	22.4	27.5	23.5	28.9	22.2	24.5	24.1	24.4	23.7	20.6
Creld2	47.0	36.3	29.7	56.5	35.9	38.8	37.1	35.2	33.8	39.0	36.9	38.1
Crem	3.4	2.6	2.3	4.7	3.2	3.4	2.6	2.0	2.1	3.1	2.2	1.9
Crhbp	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0
Crim1	74.7	72.0	73.1	69.6	54.9	70.9	80.4	51.3	84.1	68.9	70.0	74.0
Crip1	155.4	161.5	150.3	82.7	155.2	117.2	135.4	181.0	168.0	451.4	258.6	234.9
Crip2	131.4	136.2	121.4	167.1	136.9	154.1	149.3	180.1	119.5	97.6	139.5	106.8
Cript	32.6	31.1	25.8	32.7	34.5	31.4	26.9	26.6	32.5	33.5	33.1	32.8
Crisp2	0.1	0.2	0.0	0.1	0.1	0.0	0.2	0.1	0.0	0.3	0.1	0.1
Crispld1	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Crispld2	4.4	8.6	13.0	3.7	5.7	2.8	4.7	8.5	9.8	3.9	4.6	6.3
Crk	40.4	46.5	43.1	42.2	46.6	40.2	49.7	44.5	51.9	49.8	52.7	53.0
Crkl	10.0	11.3	9.7	10.2	11.0	9.1	10.2	10.7	11.7	10.8	10.5	10.2
Crlf1	56.0	49.6	34.0	38.4	43.9	89.8	111.6	84.1	101.4	68.2	71.9	79.2
Crlf2	12.1	9.5	9.4	11.6	13.2	10.5	12.2	11.5	10.6	11.2	9.7	10.6
Crlf3	7.8	8.2	6.7	7.9	9.6	7.9	8.2	6.4	7.6	7.2	8.9	7.7
Crls1	22.1	20.0	16.6	23.8	17.6	20.7	17.8	19.1	20.6	29.9	29.0	26.5
Crmp1	0.5	0.2	0.2	0.4	0.2	0.3	0.5	0.3	0.3	0.0	0.1	0.1
Crnk1l	16.0	16.6	16.4	15.7	14.6	15.1	15.3	17.4	13.4	15.7	16.2	18.7
Crocc	1.2	1.4	1.6	0.9	1.0	1.6	1.2	1.3	1.4	1.3	1.3	1.1
Crot	28.0	27.6	26.0	26.4	27.1	25.0	22.6	23.5	24.2	34.0	27.2	29.4
Crtac1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crtap	87.6	75.5	82.1	80.9	76.2	83.6	91.9	78.1	80.5	87.2	76.1	88.3
Crtc1	0.6	0.7	0.7	0.7	0.7	0.7	0.8	1.0	0.7	0.7	0.5	0.4
Crtc2	1.9	2.6	2.2	2.4	2.4	2.0	2.7	2.6	2.2	2.0	1.7	1.7
Crtc3	4.4	6.5	7.9	4.2	4.7	4.1	5.8	6.2	6.6	4.4	4.4	5.2
Crx	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cry1	1.2	1.3	1.3	0.9	1.2	1.5	1.4	1.5	1.7	1.2	1.6	1.4
Cry2	5.1	5.5	4.8	5.2	4.5	5.8	4.6	4.6	4.3	3.7	4.2	3.4
Cryab	268.5	328.7	273.3	324.1	205.7	341.6	226.4	275.3	221.9	293.9	294.0	268.6
Cryba1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0
Cryba4	0.2	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.2	0.0
Crybb1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Crybb3	0.1	0.1	0.0	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.1
Crygf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crygn	0.3	0.1	0.0	0.0	0.2	0.1	0.0	0.1	0.1	0.2	0.1	0.1
Crygs	0.1	0.5	0.3	0.2	0.1	0.1	0.4	0.1	0.3	0.0	0.5	0.3
Cryl1	4.5	6.6	4.9	5.2	4.7	5.3	3.8	4.6	3.6	4.3	3.6	3.4
Crym	2.3	1.6	1.8	1.0	1.7	0.8	0.8	1.2	0.5	0.7	0.6	0.6
Cryz	4.5	4.3	4.5	3.6	3.1	6.2	2.2	3.7	2.6	3.7	2.9	3.4

Online Table 1

Cryzl1	12.4	13.6	13.2	13.8	10.6	13.7	11.1	12.2	12.3	12.8	12.7	14.1
Cs	58.3	56.0	50.1	57.8	58.0	56.3	59.2	59.2	56.0	51.0	61.5	53.8
Csad	14.0	16.6	16.2	9.7	12.1	13.8	10.7	12.8	15.4	13.7	11.4	13.4
Csda	62.4	50.2	46.2	64.7	45.0	62.9	64.6	65.3	48.7	50.0	66.0	47.9
Csdc2	1.5	2.4	2.8	1.5	1.7	1.6	2.5	3.8	2.4	2.5	2.3	2.1
Csde1	270.5	191.5	170.3	289.3	187.8	280.2	155.6	156.1	139.7	166.8	197.7	182.8
Cse1l	12.3	14.0	14.5	12.8	15.4	12.5	15.5	15.1	15.4	15.1	15.3	13.2
Csf1	408.2	364.8	331.7	453.8	437.3	491.7	547.6	256.4	351.7	374.7	360.3	343.8
Csf1r	6.6	2.3	1.7	35.2	61.2	1.7	7.4	2.0	2.1	5.0	2.9	4.4
Csf2	0.1	0.2	0.2	0.0	0.2	0.2	0.3	0.0	0.1	0.0	0.0	0.1
Csf2ra	3.4	2.4	3.2	9.3	12.5	3.0	3.7	2.8	3.1	2.5	2.3	3.0
Csf2rb	0.1	0.0	0.1	1.6	1.7	0.0	0.1	0.2	0.0	0.1	0.0	0.1
Csf2rb2	0.1	0.0	0.1	0.4	0.5	0.0	0.1	0.2	0.1	0.0	0.0	0.1
Csf3r	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csgalnact1	16.2	22.3	30.9	18.7	31.4	12.6	40.6	33.4	38.9	20.4	22.7	31.1
Csgalnact2	20.6	15.6	15.5	21.4	15.1	22.3	15.9	13.0	13.8	16.7	18.4	19.3
Csk	13.6	17.1	13.7	20.1	23.8	16.9	18.2	13.6	16.4	14.4	14.9	12.9
Csl	0.1	0.2	0.2	0.4	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Csmd1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csmd3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csnk1a1	93.1	101.5	118.0	95.9	92.3	108.8	90.4	112.7	95.5	109.0	109.3	110.8
Csnk1d	22.8	25.9	24.6	20.7	23.2	20.8	25.3	25.6	25.1	25.0	24.4	22.9
Csnk1e	17.3	18.7	16.6	17.1	15.2	19.1	18.0	14.7	16.8	14.5	17.5	15.2
Csnk1g1	5.2	6.3	6.5	5.7	6.2	6.0	6.5	6.4	6.3	6.3	6.5	6.4
Csnk1g2	47.1	47.4	46.0	63.6	45.1	63.0	56.6	51.3	48.8	44.9	47.4	44.1
Csnk1g3	8.7	9.7	10.4	9.7	9.3	9.1	10.7	10.6	9.1	10.2	10.8	12.1
Csnk2a1	40.7	39.3	38.2	40.7	37.1	42.3	37.0	35.9	38.3	43.0	42.9	41.7
Csnk2a2	4.5	4.7	4.7	4.8	4.7	5.6	5.3	5.1	5.0	5.1	5.3	5.1
Csnk2b	43.1	40.6	43.1	49.4	42.4	47.2	47.7	52.2	40.8	44.3	53.0	48.5
Cspg4	0.5	0.3	0.5	0.1	0.1	0.2	0.6	0.5	0.4	0.4	0.5	0.4
Cspg5	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1	0.2	0.2	0.2	0.1
Cspp1	4.6	4.8	6.1	4.6	4.1	4.2	5.9	5.1	4.5	4.4	5.7	5.8
Csrnp1	3.1	3.3	2.3	2.6	2.7	1.7	3.4	2.3	3.4	5.6	3.5	3.2
Csrnp2	2.5	2.9	2.7	3.2	2.8	3.1	2.8	2.4	2.5	2.7	2.7	2.5
Csrp1	109.9	103.7	99.6	103.9	120.3	94.3	141.0	112.4	122.8	115.8	177.5	120.6
Csrp2	22.6	35.8	57.7	28.1	54.4	21.4	49.4	99.2	76.1	36.9	39.4	61.1
Csrp2bp	5.4	4.9	5.7	6.7	6.4	6.9	6.2	6.1	5.5	5.0	5.4	5.3
Cst3	522.8	425.6	370.8	630.9	426.0	598.0	343.0	323.6	379.8	377.9	319.9	414.9
Cst6	9.5	6.4	2.6	13.4	5.5	15.2	2.6	3.4	1.1	2.2	3.1	2.7
Cst7	0.2	0.0	0.0	1.0	1.3	0.0	0.4	0.0	0.0	0.1	0.0	0.0
Cst9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0
Cstad	1.2	1.0	1.9	0.6	0.6	0.9	0.8	1.2	1.1	1.4	1.2	0.9
Cstb	238.3	154.2	125.4	283.3	226.1	225.1	147.1	125.1	134.9	174.2	155.0	172.0
Cstf1	9.1	8.5	7.6	8.4	9.2	8.3	9.7	8.4	8.6	8.2	9.8	8.0
Cstf2	4.0	4.1	5.4	5.0	4.5	4.2	4.6	5.6	3.9	5.0	5.7	4.9
Cstf2t	15.4	18.5	19.1	16.1	15.6	15.3	16.4	16.1	17.6	17.2	17.5	18.3
Cstf3	3.7	4.4	4.2	3.3	4.9	3.5	3.3	4.3	4.4	4.8	5.2	4.8
Cstl1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ctage5	26.1	22.3	20.5	28.2	21.5	23.7	23.5	20.9	22.2	23.5	25.7	23.5
Ctbp1	34.8	34.0	29.7	37.4	35.7	36.6	37.8	39.1	40.1	34.6	36.8	33.2
Ctbp2	16.1	17.0	17.3	15.4	16.5	14.8	16.5	17.6	15.9	15.4	16.0	16.5
Ctbs	6.5	5.8	6.4	6.3	6.0	7.0	6.1	4.5	5.1	4.9	6.3	6.5
Ctc1	5.9	6.4	6.6	4.9	5.5	5.7	5.4	4.0	5.3	5.1	4.2	4.1
Ctcf	9.3	9.4	11.0	9.2	9.9	7.9	10.6	12.2	10.2	11.3	11.3	12.2
Ctcf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctdnep1	10.5	9.8	10.2	10.4	10.8	10.8	10.7	11.6	10.3	10.3	8.9	7.8
Ctdp1	7.5	6.3	5.6	7.1	7.6	5.4	9.7	7.2	6.9	7.1	8.8	7.1

Online Table 1

Ctdsp1	10.1	11.9	10.9	11.7	11.6	11.8	12.8	14.0	12.7	12.4	10.9	11.4
Ctdsp2	23.7	33.5	34.3	20.2	22.0	25.9	26.9	36.7	31.6	24.7	23.8	24.5
Ctdspl	15.3	18.9	18.0	12.9	10.0	16.2	14.7	13.3	14.2	17.2	16.5	15.3
Ctdspl2	4.0	4.4	5.3	4.5	4.6	4.5	4.0	4.6	4.5	4.5	5.2	4.7
Ctf1	0.7	0.7	0.6	0.2	0.1	0.3	0.5	0.6	0.7	3.2	1.3	1.0
Ctgf	855.7	737.3	510.7	1119.1	857.9	1079.6	1308.6	385.7	816.9	624.5	808.9	690.5
Cth	3.7	1.8	1.3	2.2	0.8	1.6	1.2	1.2	1.3	1.4	1.6	0.9
Cthrc1	32.0	33.0	41.1	21.7	25.2	27.9	28.1	50.1	53.7	61.4	47.5	73.0
Ctif	2.1	2.6	2.7	2.0	2.2	1.9	2.6	3.4	3.0	2.7	2.7	2.7
Ctla2a	53.2	8.0	6.2	39.9	11.6	43.8	6.2	6.9	3.6	5.4	5.7	5.5
Ctla2b	6.3	2.4	1.5	8.7	6.6	6.9	2.1	1.3	1.0	1.4	1.0	1.7
Ctla4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctnna1	102.7	90.9	89.2	102.5	91.4	103.5	103.9	97.5	95.3	101.6	117.4	107.4
Ctnna2	0.6	0.3	0.5	0.1	0.3	0.1	0.2	0.2	0.1	0.1	0.6	0.2
Ctnna3	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ctnnal1	6.4	5.7	8.1	4.3	4.7	5.9	4.7	6.1	5.7	8.5	6.8	5.4
Ctnnb1	157.7	142.3	117.0	187.8	149.6	181.9	132.1	126.2	133.4	161.2	147.2	136.9
Ctnnbip1	7.7	6.1	7.1	8.7	6.9	6.2	6.6	6.5	7.3	8.4	7.7	7.5
Ctnnb1	10.0	9.1	8.4	10.2	8.8	10.4	9.0	9.5	8.2	9.0	8.9	9.8
Ctnnd1	46.6	50.5	36.7	62.6	60.0	72.2	58.3	39.3	57.1	57.3	60.5	56.7
Ctnnd2	0.5	0.2	0.2	0.3	0.1	0.3	0.3	0.1	0.1	0.2	0.2	0.1
Ctns	5.3	5.2	4.8	5.8	4.4	6.5	4.1	5.1	4.9	4.5	4.7	4.5
Ctps	136.5	112.8	108.2	109.6	99.7	83.4	105.0	101.8	102.7	95.5	102.5	102.8
Ctps2	12.0	12.0	11.6	10.8	10.2	10.1	10.6	10.8	10.3	9.9	10.6	11.1
Ctr9	16.5	17.3	18.0	17.0	15.8	17.4	17.4	17.4	14.2	18.4	19.9	19.9
Ctrb1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Ctrl	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.1
Ctsa	80.8	54.8	53.6	106.6	90.3	83.4	53.7	63.5	52.5	65.6	58.9	70.3
Ctsb	134.0	97.0	93.3	214.9	219.1	114.4	77.3	84.2	81.2	109.6	85.9	99.6
Ctsc	1.5	0.3	0.4	7.8	17.6	0.2	3.3	1.6	1.3	2.4	1.4	2.2
Ctsd	1438.7	1236.2	1192.5	1748.3	1698.3	1649.1	1054.7	1271.2	1155.5	1110.3	1058.4	1219.8
Ctsf	34.3	33.5	29.1	31.9	27.0	36.4	22.4	22.2	22.7	31.4	26.2	28.5
Ctsh	49.6	38.1	45.2	72.4	74.7	64.4	55.8	55.0	48.1	49.9	58.9	66.4
Ctsk	33.2	17.4	20.0	31.9	23.8	27.0	21.5	33.7	24.4	23.5	22.1	28.9
Ctsl	536.0	372.4	379.0	566.6	368.6	562.5	291.7	333.9	301.4	355.4	374.6	406.0
Ctsll3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Ctso	6.4	6.8	8.8	6.9	8.9	7.0	7.4	7.6	8.4	7.6	7.1	8.1
Ctss	8.6	0.5	1.1	87.8	113.7	0.2	7.5	5.2	1.3	6.1	3.7	5.1
Ctsw	1.2	0.4	0.3	2.0	1.2	0.8	0.9	0.1	0.5	0.4	0.5	0.4
Ctsz	291.4	195.4	188.4	430.0	306.6	323.1	189.7	147.1	151.8	184.3	182.0	213.3
Ctn	87.7	85.2	91.8	90.8	77.5	84.4	98.6	101.9	91.3	87.6	100.7	107.0
Ctnbp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1
Ctnbp2nl	19.1	18.1	14.2	21.5	19.1	16.4	17.7	13.8	13.7	16.7	18.0	15.0
Ctu1	2.6	2.5	2.0	2.1	2.5	1.8	2.4	1.9	2.9	2.6	2.7	2.3
Ctu2	3.2	3.5	2.9	3.6	3.1	3.7	3.7	3.7	3.8	2.7	3.0	2.8
Ctxn1	0.7	0.7	0.6	1.5	1.4	1.1	1.0	0.8	1.5	3.6	2.3	1.4
Cubn	0.7	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.3	0.2
Cuedc1	7.1	7.5	6.8	8.5	7.5	8.6	8.4	6.9	7.6	6.7	7.3	7.5
Cuedc2	13.1	10.7	12.0	15.5	12.1	14.0	10.0	12.4	9.6	12.7	12.2	12.8
Cul1	32.8	32.2	31.0	34.4	36.8	31.5	33.4	34.0	35.0	38.1	38.0	38.9
Cul2	10.9	11.3	10.4	10.0	10.1	12.2	9.6	10.0	10.4	9.8	11.3	10.7
Cul3	33.8	38.9	40.2	36.2	35.6	33.7	38.0	38.2	38.7	36.3	45.4	42.8
Cul4a	49.0	41.2	33.8	46.5	38.4	46.1	40.6	33.3	37.3	41.6	43.1	42.5
Cul4b	21.7	21.9	20.2	21.4	20.6	20.5	19.9	17.5	20.0	21.5	24.1	23.0
Cul5	12.7	13.3	12.5	12.6	10.7	14.3	12.1	11.6	12.1	12.2	14.7	13.2
Cul7	15.5	15.5	15.9	13.1	11.8	17.0	14.7	16.5	14.9	16.4	14.0	14.8
Cul9	4.2	4.9	4.7	4.0	3.9	5.5	3.5	4.1	3.9	3.1	2.7	3.3

Online Table 1

Cuta	34.2	33.4	35.5	38.3	31.3	36.3	33.5	38.4	35.4	33.4	30.4	29.0
Cutc	1.7	1.3	1.4	1.7	1.5	0.8	0.8	1.0	1.4	1.3	1.5	1.3
Cux1	31.6	29.7	27.6	37.2	37.9	32.8	42.6	35.3	38.3	35.7	43.3	43.0
Cux2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Cwc15	70.5	60.8	71.0	95.2	60.9	78.4	75.6	67.1	54.8	59.6	80.2	76.0
Cwc22	9.3	8.8	10.5	9.7	8.9	8.8	9.6	9.4	8.0	7.9	10.1	10.5
Cwc25	4.9	4.9	6.4	5.9	5.6	5.0	5.6	6.4	5.4	5.2	6.0	6.1
Cwc27	10.4	11.2	12.3	14.3	9.5	16.5	10.4	9.8	8.4	8.8	11.0	11.8
Cwf1911	1.9	2.3	2.0	2.3	2.1	1.9	1.9	2.0	1.7	2.1	2.1	1.9
Cwf1912	6.4	6.8	7.1	7.3	5.9	7.3	6.1	5.6	5.3	5.7	6.8	7.6
Cx3cl1	9.1	8.8	9.0	18.7	24.4	16.9	19.3	7.5	11.1	18.1	11.4	11.8
Cx3cr1	1.0	0.2	0.2	5.4	20.3	0.2	2.8	0.3	0.6	1.2	0.4	1.2
Cxadr	2.1	1.2	1.3	0.6	0.7	1.0	1.0	2.1	3.3	24.1	9.6	6.6
Cxcl1	17.7	15.9	59.6	26.1	30.6	8.5	21.0	27.4	15.3	14.9	7.3	15.5
Cxcl10	2.0	0.2	0.6	6.1	1.0	1.5	0.4	0.1	0.2	0.6	0.6	1.1
Cxcl12	26.7	30.9	82.8	26.3	54.4	50.9	67.1	104.5	129.3	145.9	106.1	161.8
Cxcl14	1.6	0.9	2.1	2.0	2.5	0.7	4.7	2.5	3.1	5.8	4.8	6.6
Cxcl16	14.5	6.7	11.3	33.6	47.5	16.3	18.5	9.3	9.8	12.4	7.2	13.1
Cxcl2	0.5	0.2	0.2	1.9	4.2	0.1	1.3	0.1	0.3	0.4	0.1	0.2
Cxcl3	0.3	0.3	0.1	0.6	0.5	0.1	0.3	0.2	0.0	0.0	0.1	0.2
Cxcl5	9.2	12.1	63.7	8.8	40.3	2.7	24.6	28.1	17.1	2.8	3.0	9.4
Cxcl9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cxcr1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cxcr2	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Cxcr3	0.0	0.0	0.0	0.6	2.2	0.0	0.3	0.1	0.1	0.1	0.1	0.0
Cxcr4	1.5	0.7	1.2	2.5	2.7	0.2	1.5	2.2	1.2	0.2	0.5	0.6
Cxcr5	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.1	0.0
Cxcr6	0.1	0.0	0.1	0.2	0.2	0.2	0.1	0.2	0.0	0.2	0.1	0.2
Cxcr7	11.4	17.1	13.6	6.8	10.7	9.7	17.4	14.1	15.3	20.3	21.7	15.9
Cxx1a	7.0	6.7	6.3	9.0	6.7	8.1	8.1	7.4	7.1	7.1	7.8	6.4
Cxx1b	10.4	9.6	8.9	12.6	11.3	12.1	10.6	11.2	11.5	10.7	11.6	10.0
Cxx1c	12.8	14.6	14.5	16.3	15.3	18.4	18.2	13.9	16.4	18.5	14.5	14.0
Cxxc1	5.2	5.3	6.6	6.2	5.5	5.2	6.6	7.2	6.1	6.4	6.2	7.3
Cxxc4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cxxc5	5.7	7.1	7.0	5.3	5.1	6.7	7.3	9.3	8.7	7.9	9.3	7.9
Cyb5	607.5	645.5	579.7	745.2	580.8	657.0	459.1	429.8	350.3	479.0	481.2	454.9
Cyb561	0.5	0.3	0.4	0.2	0.3	0.6	0.2	0.6	0.2	0.3	0.3	0.3
Cyb561d1	0.9	0.8	0.9	0.9	1.0	0.7	0.8	0.8	1.1	0.9	0.7	0.9
Cyb561d2	7.7	6.9	5.7	6.9	6.9	6.7	7.1	6.5	7.9	8.4	6.3	7.0
Cyb5b	42.3	42.3	41.8	41.6	37.0	38.1	47.4	48.7	41.4	33.8	46.5	36.7
Cyb5d1	31.7	25.4	21.6	31.9	22.0	26.9	22.4	16.7	17.9	23.3	22.1	25.0
Cyb5d2	8.3	7.8	5.4	9.4	6.6	8.2	6.2	5.3	5.9	6.3	6.5	6.6
Cyb5r1	48.1	31.5	22.7	63.4	28.0	63.3	36.1	46.2	42.0	31.8	42.6	30.0
Cyb5r2	1.0	0.4	0.4	0.9	0.3	0.9	0.2	0.4	0.4	0.1	0.4	0.4
Cyb5r3	255.1	211.3	203.9	246.0	191.1	238.7	239.7	253.3	209.3	257.9	298.0	259.2
Cyb5r4	18.6	19.0	19.1	20.2	20.9	16.9	16.8	18.7	18.3	20.2	21.3	20.7
Cyb5rl	3.1	2.2	1.3	3.1	2.3	2.9	1.9	1.6	1.9	2.7	2.4	2.1
Cyba	107.0	77.0	63.8	142.2	158.4	125.1	83.9	60.6	70.4	100.4	67.8	78.2
Cybas3	8.6	8.0	7.4	8.3	9.6	9.8	6.8	6.5	8.6	9.4	8.2	6.8
Cybb	2.0	0.1	0.1	17.7	23.9	0.0	2.2	0.4	0.4	1.0	0.3	0.9
Cybrd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Cyc1	26.8	28.4	21.7	24.9	26.7	26.1	24.6	26.3	26.4	27.7	23.9	21.6
Cycs	25.2	19.4	20.6	30.7	24.3	23.9	23.3	17.9	20.8	23.9	28.3	26.9
Cyct	0.2	0.2	0.2	0.0	0.3	0.1	0.5	0.2	0.0	0.0	0.0	0.0
Cyfp1	29.9	25.6	23.3	30.4	34.9	24.3	26.1	28.2	24.4	26.7	29.9	25.3
Cyfp2	0.8	0.5	0.3	2.1	3.4	0.6	0.7	0.1	0.2	0.4	0.3	0.4
Cygb	19.5	37.1	56.9	24.0	33.3	33.8	28.0	61.7	43.0	20.7	19.4	40.8

Online Table 1

Cyhr1	34.1	33.7	29.6	38.6	31.3	39.8	31.5	30.6	33.5	34.3	30.5	29.0
Cyld	14.3	11.6	9.7	13.3	11.0	12.5	8.6	7.7	7.9	12.5	11.7	10.8
Cyp11b1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Cyp17a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp1a1	0.2	0.1	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Cyp1b1	45.0	57.8	94.7	55.5	96.9	51.1	92.4	139.3	112.5	93.6	91.0	108.6
Cyp20a1	32.1	27.9	22.0	29.4	27.6	31.0	34.5	32.6	33.7	25.8	34.2	31.1
Cyp26b1	0.6	0.4	0.2	0.8	0.2	1.1	0.3	0.0	0.1	0.3	0.5	0.2
Cyp26c1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cyp27a1	2.5	2.9	3.4	3.9	1.8	4.2	0.9	2.1	1.7	1.0	1.3	1.6
Cyp27b1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2ab1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2b10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Cyp2c55	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Cyp2d22	2.4	3.5	3.2	1.3	2.3	2.2	3.4	4.4	4.9	2.6	3.2	2.8
Cyp2d26	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Cyp2d9	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2j13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2j6	8.0	6.8	7.6	8.4	7.1	10.3	8.1	7.2	7.0	7.5	7.9	8.6
Cyp2j9	2.4	2.1	2.9	3.0	2.4	4.0	2.9	1.9	1.7	1.5	2.0	2.3
Cyp2r1	1.1	1.9	2.0	0.8	1.8	1.0	1.7	1.5	2.4	1.6	1.6	1.3
Cyp2s1	0.8	0.2	0.2	0.1	0.0	0.2	0.1	0.4	0.3	7.2	2.5	1.3
Cyp2t4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2u1	7.6	6.3	5.2	8.2	7.1	9.3	8.1	5.0	5.6	4.6	5.2	5.3
Cyp39a1	1.1	1.8	2.6	0.6	0.9	0.7	1.1	2.1	1.7	1.2	1.4	1.3
Cyp3a13	0.3	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Cyp46a1	0.3	0.1	0.4	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.1
Cyp4a12b	0.2	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Cyp4b1	0.3	0.4	0.3	0.1	0.3	0.1	0.3	0.8	0.4	0.1	0.1	0.0
Cyp4f13	6.0	6.0	5.5	6.0	5.1	7.2	5.1	4.6	5.4	6.1	5.4	5.9
Cyp4f14	0.3	0.3	0.4	0.2	0.1	0.4	0.1	0.2	0.1	0.1	0.2	0.3
Cyp4f15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4f16	4.6	4.1	3.3	5.3	6.1	5.1	4.7	4.7	4.5	4.3	4.7	4.0
Cyp4f17	7.5	6.5	5.7	6.7	5.9	6.6	6.2	5.2	5.7	7.4	6.3	5.9
Cyp4f18	0.2	0.0	0.0	0.5	1.3	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Cyp4f41-ps	0.3	0.2	0.2	0.5	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2
Cyp4v3	9.5	8.4	11.8	10.8	11.3	12.1	8.5	9.2	7.4	5.5	5.8	10.4
Cyp51	22.6	28.8	29.1	9.0	18.6	12.5	50.9	64.4	46.8	17.4	51.5	22.9
Cyp7b1	0.4	0.5	1.8	0.0	0.6	0.3	0.5	1.5	0.7	1.0	0.5	1.3
Cyr61	294.1	313.3	334.2	228.7	254.3	200.4	379.8	263.8	379.2	346.2	312.9	323.6
Cys1	3.1	3.3	3.0	2.7	2.4	3.2	2.1	2.7	2.9	3.2	2.8	3.2
Cysltr1	0.1	0.0	0.0	0.3	1.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1
Cystm1	17.1	7.9	5.5	23.3	6.9	22.2	5.4	5.1	5.6	7.1	9.6	5.5
Cyth1	2.7	3.1	3.0	4.6	5.9	2.5	2.8	2.6	2.6	2.6	2.4	2.9
Cyth2	9.2	9.3	9.8	9.3	9.5	8.7	12.1	11.0	12.3	12.7	12.0	11.6
Cyth3	60.6	92.5	98.1	60.0	61.7	67.3	77.8	73.6	79.9	45.7	62.1	69.4
Cyth4	1.6	0.0	0.2	12.7	20.9	0.0	2.4	0.3	0.5	1.1	0.3	1.0
Cytip	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D030018L15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D030025P21Rik	0.6	0.5	0.7	0.4	1.6	0.9	3.9	1.5	2.9	6.3	2.8	2.5
D030028A08Rik	0.7	0.8	0.7	0.5	0.8	0.3	0.8	0.8	0.6	1.0	0.6	0.8
D030040B21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D030047H15Rik	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
D030056L22Rik	8.8	9.7	8.9	5.3	9.9	7.9	6.7	6.2	9.3	11.6	9.1	7.7
D10Bwg1379e	0.2	0.1	0.1	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.1
D10Jhu81e	22.5	20.7	21.4	19.4	18.1	20.6	17.8	22.8	18.9	20.9	17.6	22.4

Online Table 1

D10Wsu102e	6.4	5.6	5.0	5.9	6.4	5.6	7.0	6.2	5.5	6.6	6.3	6.2
D10Wsu52e	67.1	56.0	51.1	70.5	57.3	64.1	56.7	57.6	53.6	63.2	61.3	59.7
D11Wsu47e	3.6	3.6	3.5	3.9	3.7	2.8	3.5	4.5	4.7	4.1	3.9	3.7
D130009I18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D130017N08Rik	0.4	0.6	0.5	0.3	0.5	0.8	0.3	0.6	0.3	0.5	0.3	0.6
D130020L05Rik	2.4	2.4	2.4	2.2	2.4	2.2	3.2	2.9	3.2	2.6	1.9	2.8
D130040H23Rik	0.5	1.1	1.5	0.6	1.0	1.1	0.6	1.0	0.8	0.8	0.8	0.9
D130043K22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
D14Abb1e	4.6	5.7	6.8	4.7	5.7	5.0	4.7	5.8	5.4	5.9	6.6	6.8
D15Ert621e	33.4	34.1	29.6	33.2	35.5	34.0	33.6	30.6	33.4	35.4	36.5	38.4
D16Ert647e	1.7	1.4	1.8	1.9	1.7	1.8	1.2	1.6	1.3	2.5	2.1	1.6
D17Ert648e	0.6	0.5	0.4	0.4	0.7	0.4	0.7	0.5	0.3	0.5	0.2	0.3
D17H6S53E	6.0	6.4	6.5	7.3	6.6	7.6	7.1	6.9	7.6	6.4	6.0	8.0
D17Wsu104e	51.3	46.9	43.5	44.2	52.0	48.8	51.1	50.6	55.3	53.4	45.4	47.6
D17Wsu92e	29.3	26.7	22.5	36.3	26.2	34.1	24.2	19.2	20.5	21.2	21.7	20.5
D19Bwg1357e	19.7	15.0	14.5	23.6	16.8	18.7	18.3	17.1	13.7	14.8	18.9	17.4
D19Ert737e	8.5	6.2	6.9	9.9	5.2	8.8	7.4	5.8	6.1	6.2	8.1	8.2
D1Ert622e	2.5	1.8	1.6	4.7	5.4	2.4	2.3	2.1	1.7	2.8	2.5	2.5
D1Pas1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D230025D16Rik	6.4	6.9	7.7	5.8	6.6	6.2	6.5	7.0	6.6	6.7	6.0	6.7
D2hgdh	4.2	4.1	4.5	4.5	3.9	5.0	3.8	4.8	4.0	3.4	3.0	3.6
D2Wsu81e	9.0	8.8	10.6	10.6	8.5	10.3	10.2	9.2	9.0	10.1	10.1	8.9
D330022K07Rik	0.3	0.6	0.6	0.3	0.5	0.6	0.2	0.3	0.2	0.1	0.0	0.2
D330023K18Rik	3.3	3.1	2.9	5.2	3.8	3.7	3.2	2.4	3.3	4.6	2.7	3.2
D330041H03Rik	3.4	2.7	2.6	2.2	2.3	2.9	2.4	2.6	2.1	2.8	2.7	2.4
D330045A20Rik	0.2	0.0	0.1	0.5	1.5	0.1	0.2	0.0	0.1	0.2	0.1	0.1
D330050G23Rik	0.4	0.4	0.2	0.2	0.6	0.4	0.2	0.3	0.1	0.3	0.2	0.2
D330050I16Rik	3.2	2.6	3.6	2.8	2.8	2.3	3.6	2.7	3.3	2.8	2.6	3.4
D3Bwg0562e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D3Ert254e	3.1	3.0	3.7	3.1	3.3	3.6	3.4	3.5	3.2	3.6	4.2	3.9
D3Ert751e	3.8	3.5	4.8	5.4	3.4	5.8	3.9	3.0	3.3	4.5	4.8	5.4
D430020J02Rik	0.5	0.8	1.0	0.2	0.8	0.4	1.5	0.7	0.9	0.7	0.9	0.6
D430041D05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D430042O09Rik	7.3	7.9	6.9	7.5	7.1	8.2	6.1	5.6	5.3	5.7	5.7	6.0
D4Ert617e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
D4Wsu53e	60.8	61.5	64.3	46.5	61.6	48.4	53.5	60.5	80.3	58.7	54.9	63.7
D5Ert579e	13.3	10.3	9.2	13.4	10.8	14.2	11.4	10.7	10.7	10.9	12.4	11.0
D5Ert605e	3.2	2.6	1.5	2.4	2.4	2.8	3.4	1.7	1.8	1.2	1.4	2.0
D630003M21Rik	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.1
D630010B17Rik	0.4	0.5	0.8	0.3	0.8	0.2	1.0	1.4	1.6	1.5	0.9	0.7
D630023F18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D630029K05Rik	0.1	0.2	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.1
D630032N06Rik	0.5	0.5	0.6	1.5	1.0	1.0	0.4	0.7	0.9	0.2	1.1	0.7
D630033O11Rik	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0
D630037F22Rik	2.1	2.4	2.3	2.0	1.9	2.9	1.7	2.0	1.6	1.8	1.9	2.0
D630039A03Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
D630041G03Rik	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
D630045J12Rik	0.4	0.6	0.8	0.4	0.4	0.8	0.5	0.4	0.4	0.3	0.3	0.3
D630045M09Rik	1.2	0.6	0.5	1.3	0.5	0.7	1.0	0.4	0.5	0.6	1.4	0.3
D6Ert527e	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
D6Wsu163e	11.6	11.5	9.7	14.1	11.0	11.9	8.7	8.4	8.9	9.9	10.3	11.7
D730001G18Rik	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D730005E14Rik	0.1	0.1	0.3	0.0	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.3
D730039F16Rik	0.4	0.3	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.1
D7Ert443e	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0
D7Ert715e	0.4	0.6	0.8	0.7	0.5	0.7	0.7	0.4	0.7	0.4	1.0	1.0
D830005E20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

D830030K20Rik	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0
D830031N03Rik	15.4	9.3	6.5	8.1	5.9	9.2	8.3	7.6	7.9	11.8	13.6	9.6
D830046C22Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
D8Ertid738e	87.4	76.5	64.8	95.5	80.5	86.4	75.9	93.4	79.9	86.8	84.9	79.6
D8Ertid82e	1.1	1.3	2.2	1.3	2.6	0.6	2.6	2.7	3.8	1.7	1.9	2.0
D930015E06Rik	1.5	2.3	2.2	1.4	2.1	1.4	1.3	1.9	1.4	1.3	1.3	1.0
D930015M05Rik	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.1	0.2	0.3	0.3	0.2
D930016D06Rik	0.8	0.9	0.9	0.8	0.7	0.6	0.8	0.9	0.7	0.7	0.9	0.9
D930048N14Rik	0.1	0.1	0.1	0.0	0.2	0.3	0.2	0.1	0.1	0.0	0.0	0.1
Daam1	16.6	16.7	18.3	15.6	18.3	12.5	16.7	16.4	13.7	13.8	16.9	16.6
Daam2	0.2	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	0.8	0.6
Dab1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Dab2	9.0	8.5	10.8	12.2	14.0	6.7	7.2	8.4	5.7	10.5	8.7	8.0
Dab2ip	12.6	14.9	13.5	12.9	13.3	14.9	15.2	15.3	14.7	11.5	13.3	12.2
Dach1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dach2	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dact1	4.0	8.2	10.7	3.1	5.2	2.4	8.1	21.3	14.7	5.9	6.6	9.7
Dact2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1
Dact3	12.8	17.5	26.1	9.7	12.4	10.1	18.8	26.1	23.4	14.4	13.7	17.3
Dad1	133.9	113.8	108.6	176.9	118.3	136.9	139.1	112.0	107.8	123.8	136.8	118.1
Daf2	0.4	0.7	0.8	0.3	0.4	0.3	0.5	1.1	0.3	0.3	0.5	0.5
Dag1	26.2	25.7	29.1	27.7	25.8	30.7	35.5	36.5	38.0	36.6	34.5	32.8
Dagla	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	1.0	0.5	0.6	0.6
Daglb	9.9	8.3	7.9	10.5	9.7	10.9	8.6	10.6	7.5	6.7	7.5	7.3
Dak	5.3	5.5	4.4	3.7	4.6	5.9	4.8	5.0	5.8	11.8	6.4	5.2
Dalrd3	6.9	6.3	5.0	7.7	6.4	7.0	5.8	6.4	7.0	8.1	5.8	5.3
Dancr	1.3	1.5	1.0	2.2	1.6	0.7	1.3	1.4	1.8	1.7	1.5	1.5
Dand5	2.3	1.9	2.1	2.8	2.2	2.4	2.1	2.5	2.0	2.1	2.6	1.9
Dap	91.9	91.8	75.5	114.1	87.3	116.5	95.4	84.8	70.3	68.4	91.1	77.8
Dap3	8.5	8.2	6.8	7.4	8.0	7.9	7.7	8.5	7.3	7.9	8.0	7.7
Dapk1	7.2	10.1	17.0	5.0	8.0	4.4	5.9	9.7	7.4	7.9	6.5	8.6
Dapk2	1.5	0.4	0.5	0.6	0.5	0.2	0.4	0.9	0.7	0.3	0.2	0.2
Dapk3	15.4	13.7	11.2	13.0	12.3	12.7	13.2	14.1	13.2	15.2	13.4	13.5
Dapp1	3.3	3.7	4.2	3.1	3.8	3.3	3.4	4.7	3.8	3.5	3.7	4.7
Dars	52.5	52.1	41.9	51.9	47.7	50.1	39.6	41.8	42.0	51.0	51.2	48.7
Dars2	5.2	5.8	5.6	3.9	4.4	4.9	4.3	4.6	5.1	4.5	5.0	4.6
Daxx	13.2	14.4	13.3	15.2	12.7	11.3	13.3	12.4	12.7	10.4	12.4	13.5
Dazap1	11.5	12.9	15.9	12.6	14.2	12.1	15.6	16.1	15.2	14.8	14.9	13.3
Dazap2	44.0	43.2	43.9	52.0	50.2	43.6	41.2	47.6	44.8	45.1	42.3	44.1
Dazl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Dbc1	0.5	0.4	0.4	0.2	0.3	0.2	0.5	0.6	0.3	0.7	0.8	0.7
Dbf4	6.5	8.3	9.3	5.5	8.6	5.6	9.5	5.6	9.1	6.1	9.2	7.2
Dbh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dbi	375.9	459.0	423.2	355.8	306.7	323.0	454.8	565.6	438.4	284.5	498.4	379.9
Dbil5	0.0	0.0	0.3	0.0	0.3	0.4	0.1	0.3	0.2	0.1	0.0	0.1
Dbn1	62.5	55.5	43.4	75.1	53.4	64.9	65.1	52.4	56.7	55.3	61.2	50.0
Dbndd1	0.8	0.6	0.7	0.6	0.5	1.1	0.4	1.2	0.4	0.9	0.4	0.5
Dbndd2	6.2	6.5	5.7	3.8	5.0	2.8	4.5	6.8	6.4	7.3	6.9	6.1
Dbnl	27.1	24.9	25.4	29.6	27.0	25.1	28.8	27.1	27.2	27.9	27.5	30.5
Dbp	16.2	17.3	20.9	13.5	9.2	23.0	9.9	14.9	8.5	11.4	9.2	12.6
Dbr1	6.0	5.2	6.7	5.4	5.6	5.8	6.4	5.3	5.5	6.0	6.0	5.9
Dbt	8.7	8.2	9.4	8.6	7.4	8.8	7.0	6.5	6.2	7.2	8.2	7.9
Dcaf10	4.6	5.4	4.6	4.4	4.2	4.5	4.2	4.7	5.2	5.0	4.9	4.9
Dcaf11	13.7	13.8	12.0	14.0	13.9	12.7	12.0	10.9	12.3	11.1	11.8	11.8
Dcaf12	13.1	14.0	13.2	13.1	15.3	13.3	13.3	12.6	14.6	14.1	14.2	12.7
Dcaf12l1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	1.8	0.8	0.4
Dcaf12l2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1	0.6	0.3

Online Table 1

Dcaf13	30.6	26.8	23.4	31.4	24.3	24.1	26.7	25.4	23.9	27.1	28.8	28.9
Dcaf15	3.4	4.1	4.0	3.2	3.9	2.9	5.0	4.1	5.1	3.4	3.4	2.9
Dcaf17	3.5	3.6	3.8	2.7	2.9	2.5	2.8	3.9	3.1	2.9	2.8	2.8
Dcaf4	11.2	11.7	11.1	10.1	9.1	10.9	9.7	9.0	9.5	11.1	10.6	9.9
Dcaf5	12.5	12.8	11.5	14.7	12.1	13.9	12.7	9.8	10.8	10.6	10.8	12.6
Dcaf6	21.7	19.8	21.0	20.0	18.5	22.2	17.8	20.5	18.3	17.7	22.1	19.8
Dcaf7	19.6	20.9	19.6	19.0	20.3	19.6	19.5	20.3	20.6	21.7	18.8	18.3
Dcaf8	36.4	37.5	41.5	38.8	29.1	37.6	32.9	36.6	33.1	34.5	36.1	38.7
Dcakd	6.4	7.8	8.4	8.8	8.4	7.3	7.9	9.5	7.2	7.2	7.3	6.4
Dcbl1	1.4	1.5	1.7	1.2	1.4	1.2	1.5	1.4	1.4	1.3	1.0	1.5
Dcbl2	53.3	53.0	43.7	43.5	43.6	44.3	56.5	40.6	57.6	47.5	52.5	52.6
Dcc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dcdc2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dcdc2b	0.2	0.4	0.2	0.2	0.1	0.5	0.0	0.1	0.0	0.1	0.3	0.2
Dcdc2c	5.7	7.0	5.1	4.6	6.8	4.6	5.9	4.7	4.9	5.1	4.1	4.4
Dchs1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Dck	2.3	2.3	2.9	2.2	5.2	1.6	4.0	2.4	2.8	1.7	2.9	1.8
Dclk1	12.0	16.9	35.7	15.0	33.6	10.8	34.0	54.1	42.6	17.5	22.8	35.8
Dclk2	0.9	0.6	1.0	0.9	0.6	0.9	0.5	0.6	0.5	0.5	0.6	0.5
Dclk3	1.9	2.4	6.2	1.0	1.4	0.6	0.5	3.0	1.7	0.9	0.7	2.1
Dclre1a	5.9	5.3	5.3	6.4	4.0	6.7	4.2	4.6	3.7	3.2	3.8	3.6
Dclre1b	1.1	1.6	1.6	1.6	1.6	1.0	1.3	1.2	1.3	1.2	1.8	1.5
Dclre1c	1.7	1.6	1.8	1.8	2.1	2.0	1.8	1.7	1.8	1.3	1.5	1.4
Dcn	442.4	536.9	758.9	374.0	411.1	220.9	245.8	524.1	341.8	355.9	244.3	418.5
Dcp1a	3.1	3.9	3.8	3.2	3.7	3.1	3.7	3.9	3.9	3.3	3.9	3.5
Dcp1b	0.8	0.6	0.8	1.0	0.7	1.1	0.7	0.7	0.5	0.9	0.8	0.5
Dcp2	5.1	6.1	6.0	4.7	5.9	4.9	4.5	4.7	5.2	5.3	5.2	5.4
Dcps	5.8	5.7	6.5	6.4	6.7	6.3	8.6	8.2	7.3	5.6	6.0	6.2
Dcst1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Dct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dctd	4.1	3.4	2.8	4.2	3.1	3.8	2.9	3.3	2.1	3.8	3.4	2.6
Dctn1	28.5	29.7	29.5	30.6	30.1	27.9	32.2	28.0	30.0	27.7	29.7	28.5
Dctn2	82.7	77.1	69.7	76.5	68.5	85.3	77.3	80.3	84.3	72.6	76.8	76.4
Dctn3	49.4	48.7	42.4	54.4	45.0	47.7	40.0	45.8	43.4	45.7	42.1	43.8
Dctn4	23.6	24.4	26.4	24.8	23.7	25.6	26.7	28.7	27.1	26.4	28.8	27.6
Dctn5	34.8	30.3	29.7	40.1	30.7	41.1	30.4	28.7	28.0	27.6	32.7	30.6
Dctn6	42.3	43.6	48.4	62.1	44.9	50.5	54.3	47.9	45.4	52.8	64.5	60.0
Dctpp1	10.5	8.5	10.2	7.0	11.0	9.7	9.2	9.6	9.6	9.1	7.7	5.7
Dcun1d1	8.5	8.6	10.4	10.0	8.9	11.4	8.4	9.1	8.7	11.6	12.4	12.2
Dcun1d2	7.9	6.6	7.0	9.9	8.6	8.8	7.2	7.9	7.1	8.3	10.1	8.2
Dcun1d3	7.6	9.0	8.3	8.0	8.0	9.1	7.9	8.2	7.8	8.1	9.8	7.2
Dcun1d4	6.5	7.2	6.7	5.7	5.5	5.1	5.7	6.9	6.2	5.9	6.9	5.2
Dcun1d5	36.9	35.0	30.5	28.6	32.5	29.4	28.4	32.3	38.6	38.5	32.0	36.8
Dcxr	62.7	59.1	58.5	35.7	47.3	54.1	40.0	31.3	42.9	55.9	42.9	45.7
Dda1	27.7	26.3	23.0	30.0	24.9	28.4	31.1	28.1	27.7	25.8	28.4	26.1
Ddah1	27.1	25.6	33.1	22.0	28.8	22.9	50.8	46.5	43.7	52.8	57.3	57.0
Ddah2	20.8	17.1	15.7	21.4	13.9	24.1	21.1	24.3	29.6	18.2	19.7	17.1
Ddb1	264.2	235.6	210.3	235.0	221.3	245.9	218.9	217.6	213.2	253.9	240.5	234.2
Ddb2	2.6	2.7	3.3	4.1	3.2	3.9	3.5	3.8	3.1	2.4	3.0	3.1
Ddc	0.4	0.2	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.7	0.5	0.1
Ddhd1	3.4	3.3	3.4	3.1	3.0	2.8	3.4	2.7	2.8	3.7	3.1	3.5
Ddhd2	11.7	10.6	9.7	12.3	9.8	11.6	9.3	9.5	8.6	9.1	9.9	9.6
Ddi1	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Ddi2	14.8	14.0	16.9	16.7	16.3	13.8	14.7	14.5	12.5	12.7	13.3	13.6
Ddit3	107.6	46.4	32.1	183.9	46.3	124.0	45.8	38.1	41.8	45.4	56.7	55.7
Ddit4	8.4	12.6	13.1	6.8	12.1	10.4	12.6	15.3	17.7	15.8	11.8	12.2
Ddit4l	7.4	7.2	6.3	6.6	6.2	7.7	5.7	7.1	8.0	15.2	8.9	10.1

Online Table 1

Ddn	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
DDo	1.4	0.4	0.5	0.9	0.3	1.1	0.0	0.1	0.2	0.3	0.2	0.3
Ddost	113.6	96.9	101.0	124.0	98.6	123.3	106.0	107.8	97.0	104.6	101.3	107.5
Ddr1	42.6	47.9	41.8	34.3	37.1	35.1	46.2	39.6	47.6	48.8	38.4	38.5
Ddr2	54.4	47.8	45.1	56.2	39.9	58.0	36.1	38.8	34.9	36.6	43.5	32.8
Ddrgk1	43.1	33.7	38.5	67.6	33.9	50.0	47.8	34.6	31.3	36.1	41.4	48.9
Ddt	17.2	18.1	18.8	16.8	14.6	19.7	15.3	18.2	16.0	16.5	13.3	14.8
Ddx1	79.8	73.6	69.9	79.2	63.8	77.6	65.2	64.6	56.8	63.1	71.2	69.7
Ddx10	8.9	8.8	9.4	9.9	8.3	7.8	9.2	8.6	7.1	8.3	9.8	9.2
Ddx11	0.7	1.0	1.5	0.6	1.0	0.7	1.4	1.1	1.1	0.9	0.8	0.8
Ddx17	61.8	72.8	70.5	53.9	62.3	63.1	57.9	64.1	69.5	61.7	61.3	63.3
Ddx18	18.6	19.0	16.2	18.9	18.2	19.9	17.3	16.8	14.7	18.6	18.6	16.4
Ddx19a	6.4	6.8	7.4	7.7	6.9	6.4	5.8	6.8	5.9	6.2	6.5	5.9
Ddx19b	2.6	2.6	2.2	2.7	2.6	2.6	2.2	2.2	2.1	2.3	2.4	2.3
Ddx20	4.8	5.0	5.1	4.5	4.8	4.6	4.4	3.9	3.7	4.9	4.4	4.0
Ddx21	23.3	21.6	19.1	26.2	23.9	19.9	27.8	23.3	20.4	22.6	26.2	23.5
Ddx23	32.0	29.1	28.8	37.4	28.9	30.9	32.7	27.9	26.4	27.1	32.6	32.1
Ddx24	49.2	39.4	38.8	52.8	42.0	49.0	43.6	36.6	34.9	39.3	41.3	47.1
Ddx25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Ddx26b	0.6	0.7	0.8	0.9	1.0	0.9	0.4	0.7	0.6	0.5	0.7	0.5
Ddx27	12.3	11.6	11.4	16.2	11.1	13.1	14.2	11.8	10.6	10.0	13.6	12.5
Ddx28	5.1	5.1	3.7	4.0	5.1	4.5	4.6	5.5	4.9	4.2	4.3	5.4
Ddx31	4.1	3.6	3.0	4.2	4.2	4.2	3.6	3.2	3.0	3.3	3.6	2.6
Ddx39	14.5	9.5	7.6	11.7	12.9	9.5	13.4	10.4	10.9	11.5	13.3	9.2
Ddx39b	49.5	46.6	49.5	43.5	45.0	47.7	51.5	53.2	48.3	49.0	47.3	43.8
Ddx3x	63.7	69.8	78.9	73.2	70.0	66.5	63.6	67.8	63.1	66.8	72.2	75.2
Ddx3y	33.3	27.7	31.5	41.0	29.1	36.4	26.3	26.4	21.1	29.2	33.8	37.6
Ddx4	0.3	0.3	0.3	0.0	0.2	0.1	0.1	0.2	0.2	0.5	0.3	0.2
Ddx41	7.8	8.4	7.3	8.1	9.0	9.6	8.0	7.5	7.1	9.8	8.0	8.0
Ddx42	20.5	20.7	22.4	22.1	19.9	19.2	21.3	21.7	20.4	19.8	23.4	24.8
Ddx43	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ddx46	11.2	9.6	10.7	14.1	11.2	10.8	12.8	10.2	9.4	9.4	11.5	11.5
Ddx47	18.9	19.6	19.4	20.1	19.3	20.4	17.6	19.7	18.3	21.9	19.4	19.8
Ddx49	17.0	15.3	12.0	15.9	15.8	17.4	16.0	15.4	15.8	15.8	16.2	14.2
Ddx5	148.8	151.7	163.1	144.6	146.5	137.3	146.4	152.0	163.3	166.0	164.4	177.6
Ddx50	49.7	49.5	46.6	47.5	38.6	46.0	43.5	40.5	40.3	46.2	50.4	51.4
Ddx51	1.6	1.7	1.6	1.3	1.6	1.5	1.6	1.6	1.4	1.6	1.3	1.4
Ddx52	12.5	11.2	11.5	9.9	10.5	11.8	8.6	9.9	9.6	10.6	9.9	10.1
Ddx54	13.0	13.3	12.5	14.0	14.5	14.0	14.7	14.6	13.3	13.0	14.0	12.4
Ddx55	2.9	2.6	3.2	3.5	2.7	3.1	2.6	2.8	2.6	2.4	3.3	2.8
Ddx56	9.0	7.1	5.5	7.8	7.3	9.4	7.4	6.6	6.3	6.9	6.7	6.1
Ddx58	19.4	12.3	16.8	21.9	16.6	15.0	14.3	11.2	12.5	12.7	12.9	20.9
Ddx59	3.4	3.3	2.8	2.9	2.5	3.0	2.9	3.2	2.5	3.1	3.7	3.3
Ddx6	17.9	23.6	26.7	18.3	23.4	21.0	20.2	24.6	21.0	24.5	25.3	26.3
Ddx60	0.8	0.5	0.8	0.6	0.7	0.4	0.4	0.4	0.5	0.2	0.4	0.6
Deaf1	2.9	3.1	2.8	2.6	2.4	2.4	3.2	2.8	2.4	3.3	2.8	2.5
Dear1	0.9	0.1	0.1	0.3	0.4	0.4	0.5	0.2	0.2	0.1	0.4	0.6
Deb1	19.3	16.1	15.2	15.4	16.0	17.4	14.4	21.6	14.5	16.5	24.2	17.8
Decr1	21.7	19.1	16.3	17.4	15.8	17.6	16.7	17.6	18.0	19.8	17.4	19.7
Decr2	20.3	19.3	16.8	16.5	16.5	19.6	17.0	18.5	19.7	17.8	18.2	17.5
Dedd	7.2	7.4	6.5	6.4	6.8	7.0	7.1	7.1	6.5	8.0	8.3	8.1
Dedd2	2.5	2.0	1.8	3.2	2.2	2.2	1.7	1.8	1.8	2.3	2.1	1.9
Def6	7.0	6.4	7.4	8.2	9.5	6.0	5.1	5.5	4.8	6.5	6.1	5.0
Def8	11.2	11.6	10.1	10.1	10.0	11.0	10.0	11.2	9.1	9.3	9.7	9.4
Defb25	3.1	2.8	1.4	2.9	1.9	2.9	0.9	0.2	1.1	0.8	0.7	1.3
Degs1	144.3	93.1	76.5	156.4	126.1	130.5	106.3	91.2	91.9	114.4	116.3	106.3
Degs2	0.4	0.5	0.3	1.1	1.4	0.5	0.4	0.4	0.4	0.5	0.5	0.6

Online Table 1

Dek	11.5	14.0	22.6	11.3	16.6	9.9	18.9	16.8	15.3	15.2	20.0	19.8
Dennd1a	3.3	3.5	3.4	3.8	3.1	4.1	3.8	3.1	2.9	3.0	2.9	3.0
Dennd1b	2.8	3.3	3.1	3.2	3.2	3.1	2.9	2.8	2.7	3.0	2.9	3.0
Dennd1c	0.1	0.0	0.0	0.8	1.3	0.0	0.3	0.0	0.0	0.1	0.0	0.1
Dennd2a	10.0	10.0	8.1	8.9	8.5	10.0	9.9	9.8	9.7	7.4	9.7	7.7
Dennd2c	2.1	2.3	2.1	1.6	2.9	2.0	1.7	1.2	1.7	2.3	2.2	1.8
Dennd2d	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.3	0.2
Dennd3	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1
Dennd4a	6.5	7.1	7.8	7.5	5.8	6.9	6.6	8.5	7.0	4.6	6.5	7.0
Dennd4b	0.8	0.8	0.9	1.0	1.7	0.8	0.9	1.0	1.0	0.8	0.7	0.7
Dennd4c	9.1	9.6	9.8	10.3	9.3	10.4	8.5	8.6	8.7	9.8	9.7	9.5
Dennd5a	77.9	60.8	49.3	93.4	57.8	84.9	59.5	40.3	49.2	51.6	56.2	54.1
Dennd5b	1.7	2.3	2.1	1.6	1.8	1.5	2.1	1.6	2.1	2.2	2.3	2.7
Dennd6a	4.6	5.8	6.7	5.6	5.8	4.9	5.5	5.5	5.7	5.9	6.1	6.2
Dennd6b	0.5	0.5	0.4	0.4	0.4	0.5	0.3	0.4	0.4	0.3	0.4	0.3
Denr	17.7	16.2	17.1	19.7	15.3	15.1	20.3	19.3	14.0	16.4	19.7	20.7
Depdc1a	0.7	1.5	3.4	0.1	2.8	0.3	2.8	1.2	3.2	1.4	3.5	2.1
Depdc1b	0.2	0.4	0.5	0.0	0.3	0.1	0.3	0.1	0.4	0.3	0.4	0.2
Depdc5	3.4	4.0	4.4	2.9	2.8	3.7	2.9	3.4	3.1	2.7	3.1	3.5
Depdc7	2.2	2.3	2.6	2.0	2.5	0.8	1.3	1.4	1.2	1.1	1.3	1.2
Deptor	0.6	1.2	2.6	0.6	1.1	0.3	0.8	1.7	0.9	0.8	0.4	1.0
Dera	6.8	7.6	6.2	6.1	7.7	4.8	6.8	7.8	7.2	6.2	7.2	6.9
Derl1	72.3	67.7	54.8	66.9	62.0	72.1	61.1	68.2	71.6	70.5	66.3	69.3
Derl2	13.8	14.7	14.7	14.1	14.3	15.1	14.8	15.6	15.7	13.5	14.7	15.4
Derl3	0.6	0.8	0.6	1.0	0.3	0.8	0.3	0.3	0.2	1.4	0.9	0.7
Des	1.6	0.9	0.6	1.6	1.1	1.9	0.7	1.0	2.6	36.3	18.2	10.4
Desi1	5.6	6.5	5.9	5.6	6.9	4.8	7.1	7.5	6.2	6.1	6.1	5.7
Desi2	8.5	9.6	9.0	8.8	9.0	9.3	7.9	9.6	10.4	10.1	10.8	9.7
Det1	5.1	5.0	4.2	5.0	5.2	5.8	4.1	4.7	4.0	4.9	5.1	3.9
Dexi	6.5	7.7	6.5	6.2	6.0	7.3	5.6	6.7	6.9	6.6	5.4	6.1
Dffa	3.2	4.1	3.8	3.6	4.5	3.0	3.8	4.2	4.2	3.3	4.1	3.6
Dffb	1.0	0.9	0.9	0.5	1.0	0.9	0.9	0.8	0.9	0.8	0.8	1.0
Dfna5	1.4	1.6	1.4	2.3	1.3	2.3	0.8	1.2	0.9	1.1	1.2	1.1
Dfnb59	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Dgat1	7.0	6.5	5.8	7.2	5.9	7.7	6.2	6.4	7.4	5.8	5.8	6.3
Dgat2	1.8	2.2	2.7	1.8	1.8	1.9	2.3	1.7	1.9	2.0	1.6	1.4
Dgcr14	4.8	5.3	5.5	5.1	5.2	5.7	5.3	5.3	4.2	4.3	4.7	4.3
Dgcr2	14.2	16.0	16.0	12.9	15.9	14.7	19.7	23.0	19.0	14.7	15.5	13.2
Dgcr6	10.1	10.2	8.6	10.0	7.3	10.1	8.2	10.4	8.8	8.0	9.5	9.1
Dgcr8	7.2	6.6	6.1	6.8	7.0	5.9	9.3	7.6	7.8	7.6	8.5	8.0
Dgka	3.3	4.1	4.3	3.0	2.7	3.3	3.1	4.0	3.8	3.2	3.0	3.3
Dgkd	6.7	5.5	4.9	8.9	13.2	5.2	6.4	6.6	7.6	7.8	7.3	6.9
Dgke	2.0	1.9	1.5	2.0	1.6	2.1	1.7	1.5	1.5	1.6	1.4	1.5
Dgkg	0.3	0.1	0.0	0.2	0.3	0.4	0.0	0.0	0.0	0.1	0.1	0.1
Dgkh	1.9	1.8	1.3	2.3	3.2	1.8	1.7	1.4	1.2	1.7	1.7	1.4
Dgki	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Dgkq	5.1	5.1	4.2	4.8	4.5	5.1	5.0	3.9	5.2	4.3	4.2	4.6
Dgkz	5.9	5.9	5.2	8.2	10.3	5.5	6.9	5.4	5.6	6.6	5.7	5.0
Dguok	21.5	22.7	18.6	19.5	18.8	22.9	17.8	17.9	17.8	17.8	19.3	17.9
Dhcr24	9.8	9.1	8.4	4.0	7.7	5.2	22.6	24.1	19.6	6.6	17.5	8.3
Dhcr7	2.5	4.5	4.2	2.2	3.0	2.6	4.5	6.0	4.6	1.9	4.5	1.5
Dhdds	8.9	9.4	8.7	10.7	8.9	10.2	8.6	10.1	7.9	7.8	8.4	7.3
Dhdh	5.7	5.7	5.7	8.4	4.6	7.4	3.5	2.4	1.8	1.8	2.3	3.0
Dhfr	1.2	1.3	1.9	0.7	1.6	1.0	2.1	1.1	1.4	1.1	1.6	1.4
Dhh	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Dhodh	2.4	2.0	2.1	1.7	2.2	2.3	2.1	2.4	2.2	2.4	2.4	1.8
Dhps	13.9	12.5	9.1	12.8	9.8	14.4	11.2	10.1	11.6	10.6	11.3	12.7

Online Table 1

Dhrs1	27.6	26.1	27.5	33.1	27.5	28.6	27.3	30.7	25.6	25.5	27.5	25.8
Dhrs11	2.3	2.6	2.2	2.4	2.8	2.2	2.5	2.9	2.3	2.5	1.9	1.8
Dhrs13	1.9	1.5	2.0	0.8	1.2	1.8	1.9	2.0	2.0	2.4	1.1	1.5
Dhrs3	12.5	15.5	19.2	24.8	31.1	11.3	31.0	32.2	53.0	21.4	30.1	41.8
Dhrs4	11.9	12.0	13.4	13.8	12.5	10.6	14.4	15.3	13.9	17.0	17.4	16.7
Dhrs7	15.1	15.8	17.9	16.6	13.8	16.2	17.2	19.8	17.6	11.9	12.7	16.4
Dhrs7b	10.7	9.5	7.6	10.1	9.1	9.7	10.1	9.5	9.9	9.0	9.8	9.3
Dhrs9	0.6	0.1	0.1	0.6	0.5	0.2	0.2	0.1	0.1	0.7	0.9	0.2
Dhtkd1	1.5	1.3	1.1	1.4	1.1	1.3	1.2	1.0	0.8	1.0	0.9	1.0
Dhx15	47.3	42.3	44.8	47.8	48.3	40.1	48.0	46.2	45.7	48.0	53.3	52.7
Dhx16	11.6	11.4	13.0	11.4	11.5	11.9	10.9	11.7	10.8	11.8	10.4	11.1
Dhx29	13.8	13.0	12.7	13.8	12.1	13.8	12.0	10.6	10.5	11.4	12.1	11.8
Dhx30	12.7	11.9	10.4	12.6	11.6	12.5	11.2	10.9	11.1	11.7	11.8	10.8
Dhx32	15.0	12.9	11.2	13.0	11.8	12.2	12.1	11.3	11.1	11.9	11.7	10.5
Dhx33	9.1	11.3	14.3	8.9	10.1	9.1	10.7	11.9	12.6	10.4	9.9	10.4
Dhx34	2.1	2.2	2.3	2.0	2.0	2.4	2.0	2.9	2.2	2.5	2.0	2.3
Dhx35	3.2	3.2	3.6	2.4	3.2	3.6	2.7	2.9	3.4	3.3	2.6	3.1
Dhx36	14.3	15.6	14.1	13.9	13.9	14.7	13.1	14.3	14.3	15.4	17.3	15.4
Dhx37	4.0	4.2	3.2	3.9	4.2	3.6	3.9	3.2	2.9	3.0	3.0	2.7
Dhx38	8.2	7.9	9.9	10.6	10.4	8.9	10.8	10.2	8.6	9.8	9.6	10.6
Dhx40	15.4	15.1	15.7	14.4	15.1	16.5	15.3	16.4	15.3	19.4	19.0	18.4
Dhx57	8.5	7.6	7.5	9.6	7.5	10.0	7.5	7.1	5.9	7.0	7.6	7.6
Dhx58	3.5	2.2	3.3	4.2	3.1	2.7	2.1	2.1	1.8	1.1	1.5	3.9
Dhx8	11.3	9.8	9.8	11.2	10.5	10.6	8.7	9.6	7.5	9.0	10.5	9.5
Dhx9	8.5	11.1	10.6	9.2	13.4	7.9	11.4	12.4	11.5	13.8	12.7	12.8
Diablo	16.1	14.2	14.8	15.9	13.9	16.0	16.6	17.1	14.4	14.6	15.2	16.1
Diap1	5.0	4.8	4.2	7.4	8.2	4.8	6.1	4.1	4.4	5.2	4.9	4.4
Diap2	1.8	2.0	2.2	1.4	2.3	1.4	1.8	1.6	1.6	1.8	1.7	1.8
Diap3	4.9	7.0	9.9	2.2	8.1	2.2	10.9	4.4	8.2	4.8	7.7	6.3
Dicer1	4.2	4.7	4.9	3.7	4.3	3.4	4.6	4.9	4.5	4.3	4.7	4.8
Dido1	9.3	9.8	11.0	9.6	10.0	8.7	12.1	11.4	10.4	9.0	9.9	10.7
Diexf	1.7	1.6	1.4	2.2	1.9	2.1	2.0	1.9	1.4	1.8	1.7	1.8
Dimt1	4.7	5.0	4.5	4.4	4.3	4.2	4.5	4.6	4.5	4.9	5.1	4.0
Dio2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0
Dio3	1.2	3.2	6.1	1.3	6.5	0.3	17.6	11.8	20.8	8.9	8.5	7.7
Dio3os	0.4	1.8	1.6	0.2	1.5	0.3	2.7	3.1	6.2	1.9	1.8	1.7
Dip2a	7.7	8.4	7.5	7.2	8.3	8.1	8.4	7.8	8.6	6.6	7.5	7.6
Dip2b	5.0	5.0	5.0	4.3	5.0	4.3	4.8	4.5	4.7	4.3	4.6	4.5
Dip2c	7.3	6.3	5.5	7.5	5.6	7.1	6.0	4.7	5.8	5.7	6.4	6.2
Diras1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Diras2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Dirc2	12.8	11.1	10.0	12.7	10.4	13.2	12.6	10.5	13.1	12.8	12.8	12.3
Dis3	4.8	4.3	4.9	4.7	4.5	4.5	5.1	5.0	4.2	4.3	5.1	4.7
Dis3l	5.4	5.3	6.0	5.8	5.9	7.0	5.1	6.4	5.3	5.4	6.3	6.3
Dis3l2	3.3	3.0	3.4	3.6	3.1	3.1	3.1	3.9	2.8	3.1	2.9	2.9
Disc1	0.1	0.2	0.2	0.3	0.5	0.1	0.5	0.1	0.4	0.1	0.2	0.1
Disp1	14.6	16.3	12.0	13.3	12.6	19.9	16.8	14.5	14.2	15.9	18.8	13.0
Disp2	0.4	0.5	0.4	0.3	0.3	0.3	0.5	0.5	0.6	0.4	0.4	0.3
Dixdc1	1.4	2.0	3.0	1.3	1.4	2.0	1.5	2.1	1.9	1.6	1.7	2.3
Dkc1	5.3	5.3	5.6	6.1	5.9	4.6	5.8	6.3	5.1	5.6	7.2	4.9
Dkk2	0.5	0.1	0.1	0.9	0.2	0.4	0.6	0.0	0.4	0.2	0.3	0.2
Dkk3	25.0	21.2	19.7	25.1	17.9	17.9	15.0	7.1	10.3	25.5	21.2	22.4
Dkk4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dkkl1	0.1	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.0
Dlat	14.8	13.8	12.0	15.0	11.8	13.4	13.1	12.8	12.1	12.6	14.3	13.4
Dlc1	33.4	37.8	26.3	35.1	26.6	28.3	31.6	18.0	22.7	27.1	28.9	21.5
Dld	36.6	36.9	37.9	44.6	37.2	37.4	37.1	34.5	34.4	38.2	38.8	44.8

Online Table 1

Dlec1	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.1	0.2	0.1	0.1
Dleu2	1.2	1.0	1.4	1.7	2.4	0.7	1.2	1.3	1.1	1.9	1.2	1.5
Dlg1	62.1	63.3	58.1	65.7	51.0	66.9	69.3	71.6	76.3	66.2	87.3	78.7
Dlg2	0.6	0.8	2.4	0.8	0.7	0.8	1.1	2.2	1.6	1.1	1.3	2.1
Dlg3	15.2	18.6	19.0	12.7	12.1	10.7	18.0	12.9	17.0	27.8	25.0	24.9
Dlg4	9.8	12.1	12.0	9.2	10.0	10.9	12.2	10.1	10.8	10.0	10.8	10.1
Dlg5	6.7	8.0	7.6	8.1	7.3	9.0	9.1	6.2	5.9	6.7	6.8	6.3
Dlgap1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dlgap2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dlgap3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dlgap4	7.0	6.4	6.5	7.9	7.0	6.8	7.8	5.9	6.7	6.8	6.7	5.7
Dlgap5	2.5	5.3	8.0	0.8	7.3	1.0	9.6	3.3	7.4	3.1	7.3	4.9
Dlk1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Dlk2	0.0	0.2	0.1	0.0	0.1	0.0	0.3	0.1	0.1	0.3	0.2	0.1
Dll1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Dll4	0.1	0.1	0.3	0.1	0.0	0.0	0.3	0.4	0.3	0.0	0.0	0.1
Dlst	32.5	29.9	29.3	30.0	30.7	27.6	35.1	33.3	33.3	29.5	36.8	31.7
Dlx2	0.3	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.1
Dlx4	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.2	0.2	0.5	0.2	0.3
Dlx5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Dlx6as1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmap1	7.5	8.6	8.4	6.9	6.8	9.7	8.0	6.8	8.0	8.2	7.1	7.7
Dmc1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Dmd	1.8	2.0	2.3	2.0	1.9	2.0	1.9	1.7	1.9	1.2	2.0	1.8
Dmkn	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.1	0.4	0.9	0.1
Dmp1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmpk	28.1	16.7	15.7	39.0	19.4	27.8	27.5	16.1	23.4	19.9	27.0	21.9
Dmrt2	0.8	0.4	0.4	1.1	0.5	0.6	0.5	0.2	0.2	0.1	0.4	0.2
Dmrta2	0.6	0.6	0.6	0.4	0.6	0.5	0.9	0.7	0.8	0.7	0.6	0.6
Dmrta1a	0.8	0.7	1.0	0.4	0.3	1.1	0.4	0.3	0.3	0.5	0.6	0.8
Dmrta1c1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmrta1c2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmif1	12.8	13.7	14.7	12.4	11.9	13.1	13.9	14.5	14.1	14.4	16.1	16.4
Dmwd	13.4	15.0	12.2	13.7	11.4	16.0	13.1	11.6	14.0	11.7	12.0	11.3
Dmxl1	6.2	7.0	6.2	5.8	6.4	6.2	5.3	5.8	6.2	7.1	7.7	6.9
Dmxl2	2.1	1.9	1.5	2.5	1.8	2.5	1.5	1.3	1.4	1.4	1.5	1.7
Dna2	0.2	0.3	0.3	0.2	0.6	0.1	0.5	0.3	0.3	0.2	0.4	0.3
Dnaaf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnaaf2	1.5	2.0	2.0	1.3	2.1	1.6	2.2	1.6	1.9	1.9	1.8	1.5
Dnaaf3	0.3	0.5	0.5	0.5	0.3	0.4	0.4	0.5	0.7	0.4	0.4	0.5
Dnahc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnahc10	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Dnahc11	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Dnahc17	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Dnahc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnahc5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnahc6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnahc7a	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Dnahc7b	0.4	0.3	0.4	0.1	0.2	0.3	0.2	0.3	0.1	0.2	0.2	0.2
Dnahc8	0.4	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.3	0.3	0.2
Dnahc9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Dnaic1	0.1	0.1	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Dnaic2	2.2	2.0	1.7	2.5	1.4	1.9	1.1	0.7	0.7	0.6	1.0	1.2
Dnaja1	40.0	43.3	45.5	37.3	34.0	30.8	36.5	35.2	40.1	48.8	49.4	55.5
Dnaja2	67.1	63.0	66.1	73.8	57.4	66.0	57.9	58.9	52.0	64.5	70.3	66.9
Dnaja3	19.1	18.7	16.8	19.8	16.0	21.2	15.9	17.4	16.5	15.6	17.7	15.5
Dnaja4	8.3	8.6	7.3	8.9	6.9	9.1	7.6	5.8	7.9	8.7	8.4	9.2

Online Table 1

Dnajib1	28.2	32.0	22.4	27.4	28.4	24.1	30.5	18.2	25.0	35.1	30.2	25.3
Dnajib11	85.7	70.9	66.8	91.9	75.0	70.2	83.4	78.2	70.8	72.8	81.1	82.4
Dnajib12	17.7	18.8	19.6	17.0	17.9	16.6	23.0	21.0	19.2	18.8	21.4	21.8
Dnajib13	0.6	0.6	0.3	0.3	0.2	0.3	0.2	0.1	0.2	0.1	0.1	0.1
Dnajib14	10.0	10.8	9.7	10.0	9.1	11.2	10.4	8.5	8.9	10.6	10.1	11.5
Dnajib2	19.2	24.4	22.6	20.0	17.8	22.7	21.8	18.3	21.8	17.5	19.6	20.6
Dnajib3	0.9	1.3	1.4	1.5	1.5	1.1	1.4	1.2	1.5	1.0	1.4	2.2
Dnajib4	32.0	33.6	30.0	34.8	27.9	31.4	21.3	18.4	21.4	27.4	29.0	29.4
Dnajib5	3.6	3.2	4.8	3.0	3.8	2.8	4.3	3.9	3.7	2.7	4.2	3.4
Dnajib6	79.3	89.5	101.6	85.6	81.7	80.8	87.6	94.1	91.3	90.5	96.7	119.4
Dnajib7	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Dnajib9	15.0	13.8	14.6	22.9	17.4	15.4	17.1	16.4	17.6	22.6	22.3	23.3
Dnajc1	18.5	19.5	22.6	18.8	15.8	17.6	19.4	19.0	17.8	18.7	20.2	23.1
Dnajc10	70.6	67.4	60.1	78.7	76.9	78.6	61.7	58.9	54.7	61.7	63.2	59.5
Dnajc11	13.7	10.1	10.2	14.8	11.5	13.7	12.4	12.6	10.7	12.6	13.4	11.6
Dnajc12	1.8	1.8	1.3	2.5	2.0	2.6	1.5	1.1	1.6	2.3	1.6	1.3
Dnajc13	12.4	11.5	12.1	11.7	12.8	12.5	11.7	12.8	11.1	12.0	12.1	13.3
Dnajc14	14.0	12.7	13.2	15.4	13.7	13.3	14.2	13.7	13.4	13.8	14.7	15.6
Dnajc15	25.5	17.5	18.8	26.2	22.0	22.8	16.9	19.5	14.6	17.3	17.4	18.7
Dnajc16	3.7	4.1	4.1	3.1	4.0	3.8	4.3	3.6	4.1	3.3	4.0	3.5
Dnajc17	6.5	4.3	4.7	8.9	4.7	5.9	5.7	4.7	3.7	4.3	4.8	5.8
Dnajc18	13.7	13.2	12.2	14.8	12.2	14.7	12.9	13.2	12.9	13.6	14.3	14.4
Dnajc19	26.2	21.8	23.1	28.7	24.4	28.4	24.5	27.2	25.0	21.9	23.8	22.5
Dnajc2	23.6	19.0	19.2	26.5	17.3	20.9	22.3	18.5	14.4	17.3	25.1	22.3
Dnajc21	12.2	11.2	12.8	11.9	9.2	10.5	10.6	11.0	10.9	10.0	14.1	13.4
Dnajc24	6.4	7.2	6.2	6.9	5.6	7.6	5.1	5.8	6.1	5.8	5.1	5.4
Dnajc25	11.1	9.0	11.3	12.9	8.7	10.8	14.2	14.0	11.9	11.0	12.6	13.6
Dnajc27	2.4	2.2	2.0	2.2	1.6	2.2	1.9	1.7	1.8	1.7	1.8	1.7
Dnajc28	2.3	2.3	2.2	2.7	1.4	2.6	1.5	1.6	1.5	1.7	1.5	2.4
Dnajc3	54.1	49.8	53.1	64.0	51.2	48.2	61.5	56.7	57.3	59.5	62.9	71.1
Dnajc30	9.2	9.1	8.1	9.4	7.9	8.9	9.3	9.1	8.8	9.2	8.9	7.7
Dnajc4	7.8	8.0	11.1	11.5	7.8	10.0	11.6	10.5	9.9	9.4	11.0	8.7
Dnajc5	23.6	22.6	18.7	22.8	23.3	22.7	22.2	21.4	21.4	22.7	23.0	21.8
Dnajc5b	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Dnajc6	0.2	0.2	0.1	0.2	0.2	0.3	0.0	0.1	0.1	0.2	0.2	0.1
Dnajc7	20.4	20.1	19.8	23.5	20.3	20.1	21.2	20.5	18.9	19.6	22.2	23.2
Dnajc8	94.8	89.0	108.7	124.4	75.3	105.1	99.7	86.7	60.7	73.4	96.8	102.0
Dnajc9	16.3	19.2	24.1	11.9	23.2	14.4	21.3	13.6	16.6	16.9	20.7	17.9
Dnalc1	5.0	4.8	4.7	5.5	4.7	5.8	4.4	3.3	4.1	4.9	5.1	4.7
Dnalc4	8.4	8.1	8.0	10.1	8.0	10.9	8.4	8.9	8.4	8.8	9.0	8.8
Dnali1	0.2	0.2	0.3	0.3	0.1	0.2	0.1	0.1	0.1	0.3	0.2	0.2
Dnase1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.2	0.0	0.1
Dnase1l1	4.9	4.3	5.7	10.6	11.0	8.5	6.0	5.9	6.6	5.1	6.2	6.0
Dnase1l2	0.3	0.6	0.5	0.2	0.5	0.3	0.5	0.5	0.9	0.3	0.4	0.8
Dnase2a	8.8	7.7	8.6	13.1	13.3	10.2	6.9	8.9	7.0	7.7	6.5	9.6
Dnd1	0.3	0.4	0.5	0.4	0.5	0.4	0.3	0.5	0.5	0.4	0.2	0.7
Dner	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Dnlz	9.2	6.7	6.1	9.3	7.0	9.3	7.2	8.4	7.6	8.9	8.2	7.2
Dnm1	0.4	0.6	1.3	0.2	0.4	0.9	0.4	1.3	0.4	0.7	0.8	0.7
Dnm1l	24.6	25.7	25.7	27.2	25.6	26.5	26.3	26.3	26.6	27.3	30.6	29.5
Dnm2	36.1	35.7	36.7	41.0	37.6	36.7	41.9	43.3	39.8	33.6	40.8	39.6
Dnm3	0.3	0.4	0.4	0.4	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2
Dnm3os	1.6	2.7	4.8	2.2	3.4	1.8	2.9	5.3	5.3	3.4	3.5	5.0
Dnmbp	3.2	3.6	3.9	3.3	3.3	3.8	3.6	3.6	3.7	3.3	3.6	4.0
Dnmt1	7.1	9.3	13.1	7.2	12.5	5.9	14.4	10.6	10.3	7.9	10.7	8.4
Dnmt3a	2.9	3.5	3.5	2.6	3.5	2.2	2.7	3.1	2.9	3.1	2.6	2.9
Dnmt3b	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.4	0.2	0.2	0.2	0.3

Online Table 1

Dnmt3l	3.8	4.0	3.2	3.9	4.4	3.5	4.0	3.2	2.2	1.5	1.4	2.3
Dnpep	64.3	77.1	83.3	59.0	66.2	52.5	78.7	80.2	90.4	63.4	67.1	78.7
Dnph1	1.9	1.6	0.9	1.4	1.5	1.4	1.0	1.2	1.1	1.4	2.1	1.5
Dntt	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Dnttip1	7.3	8.2	9.7	8.4	8.4	9.4	9.8	9.6	9.8	9.3	9.3	10.0
Dnttip2	25.4	24.5	24.0	24.9	21.3	22.9	21.4	22.6	21.3	21.9	26.9	27.2
Doc2a	0.5	0.8	0.6	0.7	0.7	0.6	0.7	0.5	0.5	0.5	0.4	0.5
Doc2b	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.1	0.1
Doc2g	0.4	0.7	0.5	0.5	0.5	0.8	0.5	0.5	0.9	0.8	0.3	0.5
Dock1	19.1	18.2	18.5	18.7	16.7	21.4	18.6	17.0	16.7	15.7	17.2	17.1
Dock10	0.6	0.3	0.6	2.6	4.6	0.1	1.0	0.8	0.5	0.6	0.4	0.7
Dock11	3.7	3.2	2.8	4.6	4.3	4.1	2.6	2.1	2.3	2.5	2.6	2.4
Dock2	0.5	0.0	0.1	5.3	9.0	0.0	1.1	0.2	0.1	0.4	0.1	0.4
Dock3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0
Dock4	1.8	2.1	2.0	2.4	3.9	1.7	1.5	1.1	1.1	1.9	1.5	1.1
Dock5	3.9	2.4	1.6	4.2	4.0	3.4	4.0	1.8	1.9	5.9	4.0	3.3
Dock6	1.4	1.7	1.5	1.2	1.3	1.4	1.6	1.5	1.6	1.1	1.2	1.1
Dock7	20.7	21.5	21.2	17.6	20.1	17.9	21.1	20.2	21.1	19.9	23.1	20.1
Dock8	0.6	0.1	0.1	4.2	7.3	0.1	0.7	0.2	0.2	1.3	0.6	0.5
Dock9	2.6	2.0	2.0	2.2	1.8	2.5	1.8	2.2	1.6	2.7	2.4	1.9
Dohh	18.2	14.8	14.9	20.4	16.6	20.3	18.1	13.8	16.8	18.6	15.5	14.3
Dok1	16.3	15.6	14.4	17.7	21.8	16.3	22.2	14.8	25.1	26.2	20.2	22.6
Dok2	0.3	0.2	0.0	1.7	4.8	0.1	0.5	0.2	0.2	0.3	0.1	0.4
Dok3	0.9	0.3	0.1	3.0	6.9	0.2	1.5	0.2	0.4	0.4	0.4	0.5
Dok4	4.0	4.0	3.9	5.0	4.1	4.4	4.9	5.4	5.9	4.7	4.1	4.5
Dok5	3.5	3.1	2.3	3.0	3.3	3.2	3.2	3.1	2.5	3.1	3.8	3.6
Dok6	0.5	0.9	0.7	1.1	1.2	0.8	1.5	1.6	1.5	1.1	1.8	1.1
Dok7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Dolk	9.2	9.5	6.8	10.4	9.1	9.2	9.0	7.8	8.4	8.8	7.9	9.2
Dolpp1	3.3	4.5	4.2	3.8	4.3	3.2	4.6	5.4	5.5	4.0	4.8	3.8
Dom3z	5.7	6.1	5.2	5.2	5.8	4.6	6.5	5.6	5.6	5.6	6.6	5.3
Donson	2.9	4.4	5.0	2.5	4.9	2.3	5.5	4.3	5.2	3.5	4.9	4.4
Dopey1	4.0	4.2	3.8	3.2	3.4	3.5	3.2	3.3	3.8	3.7	3.8	3.5
Dopey2	3.8	4.6	4.1	5.0	4.3	4.0	4.3	4.3	4.2	2.9	4.0	3.3
Dos	2.9	2.7	2.7	3.9	2.8	4.5	3.2	2.2	2.8	3.4	3.2	2.9
Dot1l	0.6	1.0	0.9	0.6	1.6	0.7	1.1	1.0	1.1	1.1	0.9	0.7
Dpagt1	13.2	12.8	11.0	14.3	12.2	14.7	15.4	14.4	12.2	12.5	13.3	11.3
Dpcd	11.7	10.0	9.3	13.0	9.3	12.1	9.3	9.2	8.0	9.1	9.5	9.9
Dpcr1	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2
Dpep1	10.9	25.5	57.9	19.2	28.5	10.2	20.7	51.2	29.1	13.0	9.3	18.8
Dpep2	0.5	0.3	0.3	4.7	6.9	0.2	0.8	0.2	0.3	0.4	0.1	0.4
Dpf1	0.8	1.2	1.5	1.0	0.6	1.4	1.1	0.6	0.7	0.8	0.9	0.7
Dpf2	9.8	12.2	10.7	9.8	9.5	10.8	10.2	12.8	10.3	10.8	10.0	9.6
Dpf3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0
Dph1	3.4	2.6	2.2	3.2	3.6	3.4	3.0	3.4	3.3	3.6	2.6	2.7
Dph2	2.9	2.4	1.6	3.3	2.8	2.1	2.8	2.4	2.6	2.4	2.0	1.9
Dph3	7.4	5.0	4.2	5.7	5.7	5.3	6.4	6.7	5.7	7.5	6.5	5.8
Dph5	5.9	4.4	4.3	6.4	5.2	5.0	5.0	5.3	4.4	5.4	6.2	4.7
Dpm1	16.7	18.5	19.6	15.3	15.3	18.8	12.9	13.3	13.6	17.6	15.1	18.1
Dpm2	31.1	25.8	22.1	30.3	28.6	24.6	31.5	27.1	28.6	29.8	25.2	27.0
Dpm3	46.3	46.4	36.7	36.2	40.7	42.4	42.0	41.0	45.9	51.2	43.9	40.2
Dpp10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dpp3	21.1	18.1	16.4	21.4	21.1	20.5	20.2	20.3	19.5	20.4	18.9	19.3
Dpp4	1.6	2.6	2.2	0.5	0.4	0.3	0.3	0.8	1.3	3.0	2.4	1.0
Dpp7	45.4	34.6	30.7	45.1	40.5	54.0	22.5	27.4	27.6	30.8	26.3	32.3
Dpp8	42.9	39.3	37.7	48.5	39.3	49.7	38.3	35.9	35.8	38.8	44.0	42.7
Dpp9	10.9	11.0	10.0	12.6	13.4	11.1	14.3	12.4	12.9	11.5	11.9	10.8

Online Table 1

Dppa2	0.1	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.0
Dpt	22.9	47.1	124.1	5.6	16.0	2.4	12.3	50.6	21.9	11.2	6.4	25.2
Dpy1911	22.1	20.4	19.2	26.6	23.8	25.6	26.9	25.5	28.8	20.1	24.9	25.1
Dpy1912	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dpy1913	2.4	2.7	2.7	2.2	2.2	2.5	3.0	2.8	2.7	3.1	2.7	2.6
Dpy1914	9.8	9.8	9.3	8.1	10.5	12.0	8.9	10.5	10.4	9.8	10.7	9.8
Dpy30	24.7	19.7	20.7	24.0	19.4	28.0	21.2	20.3	16.3	17.4	24.1	18.5
Dpyd	0.9	0.8	0.8	0.7	0.6	0.8	0.5	0.5	0.2	0.3	0.4	0.7
Dpysl2	128.5	153.5	140.8	107.0	127.7	111.3	150.0	153.8	137.6	107.9	138.2	126.3
Dpysl3	23.6	17.1	22.8	18.7	17.5	28.2	20.0	26.7	19.6	22.2	25.6	24.5
Dpysl4	0.7	0.2	0.4	0.4	0.2	0.7	0.2	0.2	0.3	0.3	0.2	0.3
Dpysl5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1
Dqx1	0.3	0.3	0.2	0.4	0.2	0.5	0.2	0.2	0.3	0.2	0.2	0.1
Dr1	8.9	8.4	11.3	10.9	10.7	10.0	9.7	10.1	9.7	10.1	11.5	10.1
Dram1	9.6	13.8	23.2	10.2	20.1	7.9	16.0	16.7	12.4	10.1	10.0	14.2
Dram2	7.6	7.7	9.1	9.1	9.6	8.7	6.9	8.2	9.1	10.2	10.7	10.1
Drap1	82.2	67.8	67.1	106.1	69.9	101.3	84.8	71.4	66.2	75.7	80.2	81.3
Draxin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Drd1a	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drd3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drd4	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.1	0.3	0.0	0.1
Drg1	44.2	42.6	34.9	40.4	37.6	37.7	36.2	35.7	37.6	41.2	36.1	37.7
Drg2	25.7	24.3	20.3	29.0	19.8	25.3	22.0	21.1	19.3	24.4	22.9	19.0
Drosha	5.4	5.2	5.5	6.4	4.2	5.4	5.1	5.7	4.1	4.6	5.3	4.8
Drp2	1.3	1.9	2.1	0.9	1.1	1.2	1.0	1.3	0.9	0.8	0.8	1.1
Dsc2	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Dsc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dscam	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dscaml1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dscc1	0.5	0.9	1.4	0.2	0.9	0.2	1.5	0.7	0.9	0.4	0.8	0.6
Dscr3	36.5	33.6	30.3	33.0	33.9	35.3	29.3	28.3	30.3	29.4	30.0	30.2
Dse	58.4	67.2	69.9	61.7	57.0	60.7	63.9	61.1	64.0	48.9	56.2	66.9
Dsel	3.8	4.1	6.2	4.4	5.2	5.3	5.2	6.9	5.9	6.2	6.9	8.0
Dsg2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dsn1	2.9	3.7	3.6	2.6	3.1	2.5	3.0	2.9	3.6	4.0	3.6	2.8
Dsp	1.3	0.5	0.4	0.5	0.3	0.4	0.1	0.4	0.1	0.4	0.4	0.7
Dst	48.6	48.2	46.2	46.0	47.8	44.4	54.9	59.1	43.4	35.2	46.5	44.8
Dstn	269.9	201.7	178.3	294.9	209.5	276.6	216.5	175.7	204.6	269.7	329.0	254.5
Dstyk	9.5	9.1	8.5	8.7	8.4	9.5	9.0	8.5	9.5	9.1	8.7	10.3
Dtd1	12.0	8.7	9.1	13.2	7.8	11.3	9.7	10.9	6.8	10.5	11.0	9.6
Dtd2	4.0	3.7	3.1	4.0	2.8	3.6	2.6	3.9	2.7	3.2	3.5	3.3
Dtl	0.8	2.0	3.1	0.6	2.6	0.5	2.9	1.6	2.2	1.3	1.7	1.2
Dtna	3.1	2.3	1.4	2.4	1.9	2.4	1.6	1.4	1.4	2.2	3.0	1.9
Dtnb	3.4	4.1	3.8	3.1	3.3	4.4	4.2	4.5	3.7	5.2	4.9	3.5
Dtnbp1	26.0	25.3	26.1	26.6	24.9	20.9	31.5	33.1	33.8	31.1	29.3	35.9
Dtwd1	4.5	5.4	6.4	4.4	4.0	5.6	5.3	4.9	5.6	5.1	5.7	5.7
Dtwd2	0.7	0.6	0.9	1.0	0.8	0.8	0.6	0.7	0.8	0.7	0.6	0.7
Dtx1	0.2	0.3	0.1	0.1	0.1	0.5	0.1	0.0	0.0	0.1	0.1	0.1
Dtx2	3.7	3.7	3.6	3.9	3.1	3.4	4.1	4.3	4.4	5.2	4.3	3.8
Dtx3	8.2	9.4	9.1	8.6	7.1	9.3	7.4	9.4	11.8	8.1	8.2	8.1
Dtx3l	4.5	4.2	5.9	5.7	5.0	4.4	4.0	4.7	3.8	3.3	3.7	5.6
Dtx4	10.6	15.8	15.4	9.6	14.0	4.1	8.0	11.7	12.6	9.7	7.7	13.4
Dtymk	16.2	18.9	16.1	12.6	16.7	13.2	20.4	15.3	18.7	16.9	17.8	14.2
Duox1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0
Duox2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Duoxa1	0.1	0.1	0.2	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.0
Dupd1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0

Online Table 1

Dus1l	8.6	8.5	8.0	7.4	8.3	6.3	7.5	8.8	7.7	7.4	7.7	7.5
Dus2l	5.2	4.5	3.6	4.8	4.2	5.8	4.5	3.7	4.1	4.3	4.5	3.7
Dus3l	6.2	6.3	5.8	6.4	6.5	5.4	7.0	7.6	7.1	7.0	7.9	5.8
Dus4l	2.0	1.6	1.0	2.0	1.7	1.4	1.2	2.0	1.6	1.3	1.4	1.8
Dusp1	20.4	21.0	15.6	23.8	16.0	21.1	22.2	11.2	20.9	26.0	19.9	15.3
Dusp10	3.1	2.5	1.8	4.5	2.2	5.0	2.2	0.8	1.0	1.5	1.6	1.5
Dusp11	8.0	8.8	9.6	7.5	8.5	7.1	8.9	11.1	10.9	10.3	9.8	9.4
Dusp12	9.3	9.3	7.3	11.4	9.1	10.5	8.0	6.9	9.4	10.0	9.1	7.9
Dusp13	0.3	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Dusp14	0.7	0.6	0.2	0.8	0.5	0.9	0.3	0.5	0.5	1.7	1.1	0.5
Dusp15	0.4	0.1	0.3	0.4	0.3	0.3	0.3	0.2	0.1	0.3	0.4	0.5
Dusp16	4.1	4.0	3.3	4.0	4.6	3.9	3.5	2.9	3.0	3.8	3.4	2.8
Dusp18	2.6	2.2	1.6	3.2	1.9	3.4	1.7	2.1	1.5	1.4	1.8	1.4
Dusp19	12.8	13.0	10.8	14.7	11.6	13.9	10.9	7.5	10.1	11.5	10.6	11.0
Dusp2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
Dusp22	7.4	8.5	7.9	6.4	5.6	6.5	4.5	5.6	5.7	5.6	5.8	6.2
Dusp23	1.2	1.5	2.1	1.3	1.6	1.3	1.5	2.5	2.0	1.3	2.3	1.5
Dusp27	0.5	0.5	0.4	1.4	0.4	0.5	0.6	0.5	0.7	0.5	0.4	0.9
Dusp28	1.4	0.6	0.6	1.0	0.8	0.7	0.9	0.9	1.0	1.1	0.9	0.9
Dusp3	30.6	18.4	13.2	40.9	26.7	28.4	18.0	13.4	14.4	21.7	21.0	19.4
Dusp4	29.9	20.5	10.2	29.8	28.6	40.7	26.8	6.8	12.6	46.6	25.9	20.6
Dusp5	0.3	0.4	0.5	0.3	0.7	0.3	1.1	0.7	0.7	5.1	1.6	1.5
Dusp6	6.6	6.4	5.3	9.2	11.6	6.5	6.7	4.4	5.3	24.9	9.2	8.5
Dusp7	5.1	5.1	5.7	6.0	6.3	5.7	5.5	6.2	5.3	4.7	4.9	4.4
Dusp8	1.8	1.3	0.7	1.4	1.4	1.3	1.4	1.1	1.0	1.0	1.2	0.8
Dusp9	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.1
Dut	5.3	5.7	6.4	3.4	5.1	4.7	6.9	5.7	6.1	6.1	5.8	6.2
Duxbl1	0.1	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
Duxbl2	0.1	0.1	0.3	0.0	0.2	0.1	0.1	0.3	0.1	0.1	0.0	0.2
Duxbl3	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.3	0.1	0.1	0.1	0.2
Dvl1	18.5	18.3	15.5	18.9	15.9	18.2	19.4	16.7	21.6	18.7	19.8	17.5
Dvl2	5.2	6.8	6.9	4.5	5.3	5.5	7.0	6.9	7.4	6.2	6.2	6.4
Dvl3	1.8	2.6	2.6	2.1	2.2	2.1	3.1	2.8	2.6	2.2	2.1	1.8
Dydc2	0.5	0.3	0.4	0.8	0.2	0.1	0.0	0.2	0.1	0.3	0.1	0.5
Dym	11.8	11.2	10.2	13.3	9.7	15.4	10.4	10.6	9.0	8.2	11.1	8.0
Dync1h1	93.6	77.7	67.2	101.6	81.7	99.4	81.1	67.8	69.1	66.4	71.4	69.6
Dync1i1	0.8	0.2	0.2	0.4	0.1	0.4	0.2	0.2	0.1	1.3	0.9	0.5
Dync1i2	81.4	72.5	67.8	89.7	72.8	79.8	71.3	66.1	65.9	80.6	86.8	84.8
Dync1ii1	41.3	37.9	30.3	43.2	36.6	37.1	40.2	34.3	36.1	38.2	41.7	37.0
Dync1ii2	76.0	60.3	48.6	84.1	61.9	82.3	60.4	41.7	53.3	55.2	61.9	62.9
Dync2h1	1.6	1.9	2.1	1.1	1.4	1.8	1.3	1.7	1.5	1.5	1.4	1.3
Dync2ii1	13.2	12.9	16.2	14.9	9.3	18.4	10.4	11.2	9.0	12.1	10.8	12.9
Dynll1	56.8	52.7	45.7	51.8	55.8	39.5	62.7	63.9	72.5	83.0	80.7	66.1
Dynll2	39.7	43.0	34.8	48.9	41.6	58.0	35.7	32.2	30.1	38.1	35.9	35.0
Dynlrb1	174.8	167.5	165.4	225.0	158.5	162.0	185.2	197.8	148.7	150.3	209.6	165.9
Dynlrb2	0.0	0.0	0.4	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0
Dynlt1a	33.9	33.6	29.8	31.2	33.0	31.6	29.5	31.1	28.4	30.2	31.6	26.4
Dynlt1b	35.5	36.9	35.7	35.9	36.6	36.3	32.4	35.9	32.3	34.1	33.9	29.3
Dynlt1c	25.2	24.5	24.2	22.3	25.1	24.7	21.7	23.3	21.5	22.3	23.3	20.2
Dynlt1f	3.2	3.7	2.9	4.5	3.3	4.1	3.3	3.4	3.8	2.2	2.9	2.9
Dynlt3	90.0	77.8	82.8	112.0	75.4	109.8	79.8	67.3	75.4	85.6	105.5	104.5
Dyrk1a	5.9	5.5	5.7	5.8	5.9	5.6	5.6	5.8	5.9	5.9	6.4	5.9
Dyrk1b	3.0	4.2	3.7	3.3	2.8	3.7	3.2	5.0	4.3	3.3	3.4	2.6
Dyrk2	8.2	7.9	8.3	8.7	8.6	8.1	8.8	8.8	9.5	7.5	8.8	7.3
Dyrk3	0.7	0.4	0.2	0.4	0.4	0.3	0.4	0.1	0.1	0.7	0.5	0.4
Dyrk4	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Dysf	6.5	4.6	3.2	7.6	5.1	7.4	7.3	4.8	6.4	5.0	6.8	5.1

Online Table 1

Dyx1c1	1.5	1.2	1.5	0.9	0.8	2.2	0.7	0.8	0.9	0.5	1.0	1.3
Dzank1	0.3	0.4	0.3	0.4	0.3	0.4	0.2	0.2	0.2	0.3	0.2	0.2
Dzip1	26.6	20.2	18.2	25.9	17.7	30.6	16.4	10.6	11.3	15.0	16.4	15.2
Dzip1l	8.3	7.5	6.9	6.5	7.7	5.8	11.9	7.3	11.6	10.9	9.7	9.7
Dzip3	7.0	8.8	9.2	7.1	6.3	7.4	6.1	6.1	6.8	7.9	8.8	8.0
E030003E18Rik	35.1	36.2	43.6	48.5	20.9	43.5	27.6	31.6	30.8	18.3	29.1	37.5
E030011O05Rik	17.8	19.8	14.0	19.5	21.2	19.1	23.9	17.2	20.0	16.5	18.5	17.4
E030018B13Rik	0.0	0.1	0.1	0.3	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.1
E030024N20Rik	1.7	1.7	1.5	2.6	1.9	2.2	2.0	2.1	1.7	1.8	1.9	1.8
E030030I06Rik	2.7	1.8	2.2	2.2	3.2	1.9	1.9	1.3	1.4	2.5	2.1	1.6
E130003G02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E130012A19Rik	0.2	0.4	0.3	0.1	0.2	0.1	0.3	0.2	0.4	0.2	0.2	0.2
E130018N17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E130102H24Rik	0.7	1.8	1.8	1.4	0.6	1.9	0.9	1.7	1.0	1.0	0.6	1.7
E130112N10Rik	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
E130114P18Rik	0.1	0.2	0.4	0.1	0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.2
E130201H02Rik	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.2	0.3
E130218I03Rik	1.5	1.3	1.8	1.8	1.6	1.4	2.4	1.0	1.3	1.9	0.6	1.2
E130304I02Rik	0.8	0.6	0.7	0.3	0.3	0.4	0.2	0.3	0.2	0.5	0.7	0.4
E130307A14Rik	1.2	1.0	0.8	0.7	0.9	0.7	1.0	1.0	0.9	1.0	0.8	0.9
E130308A19Rik	1.9	2.2	1.5	2.1	1.9	2.6	2.6	2.5	2.9	2.2	2.4	2.5
E130309D02Rik	4.5	4.3	3.9	4.3	5.0	4.5	5.9	3.9	5.0	5.2	3.5	4.0
E130309D14Rik	0.1	0.1	0.0	0.2	0.0	0.1	0.2	0.1	0.0	0.2	0.0	0.1
E130310I04Rik	0.1	0.2	0.1	0.4	0.2	0.1	0.7	0.1	0.2	0.1	0.2	0.1
E130311K13Rik	8.4	8.2	9.5	7.0	5.8	7.9	6.6	6.7	7.2	7.5	7.6	9.6
E130317F20Rik	1.3	0.8	0.9	1.0	0.9	1.0	1.2	1.2	1.4	1.0	1.4	1.2
E230016K23Rik	0.4	0.6	0.7	0.2	0.5	0.5	0.6	0.6	0.6	0.3	0.5	0.4
E230016M11Rik	2.1	1.0	1.4	2.0	1.4	3.2	1.3	1.1	0.8	1.8	1.1	1.1
E230025N22Rik	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1
E2f1	9.2	7.9	6.6	9.7	7.1	11.0	7.4	4.9	6.0	6.4	6.4	5.4
E2f2	0.2	0.0	0.1	0.2	0.9	0.0	0.2	0.2	0.1	0.3	0.2	0.2
E2f3	5.2	5.5	5.4	5.2	4.5	5.4	5.2	4.3	4.9	4.2	4.7	4.7
E2f4	6.1	7.5	6.6	6.3	7.0	6.4	8.3	7.9	7.5	6.9	6.5	6.1
E2f5	3.4	3.3	3.2	3.0	3.3	3.1	3.8	3.2	3.4	3.0	3.8	3.3
E2f6	12.9	14.1	9.9	16.7	13.5	14.2	12.3	9.5	10.2	11.7	14.4	10.8
E2f7	0.2	0.3	0.5	0.1	0.5	0.1	0.8	0.3	0.5	0.2	0.3	0.1
E2f8	0.4	0.6	1.1	0.2	1.0	0.1	1.1	0.7	0.7	0.4	0.8	0.4
E330009J07Rik	0.5	0.6	0.9	0.3	0.7	0.9	0.4	0.6	0.6	0.6	0.7	1.7
E330011O21Rik	0.4	0.2	0.5	0.1	0.3	0.2	0.1	0.5	0.1	0.8	0.6	0.3
E330013P04Rik	1.2	0.2	0.2	0.3	0.3	0.5	0.0	0.3	0.1	0.7	0.2	0.1
E330020D12Rik	0.2	0.3	0.6	0.7	0.4	0.4	0.3	0.4	0.3	0.2	0.3	0.3
E330023G01Rik	0.2	0.0	0.1	0.0	0.2	0.1	0.2	0.1	0.0	0.0	0.1	0.1
E330033B04Rik	0.2	0.3	0.3	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.1
E330034G19Rik	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0
E430018J23Rik	2.5	2.2	2.5	2.7	2.0	2.7	2.2	2.4	2.3	2.9	2.2	2.8
E430025E21Rik	39.1	31.9	27.1	42.1	33.8	42.1	28.4	28.4	25.5	30.2	32.2	31.0
E4f1	3.4	3.3	4.0	4.4	3.3	3.0	3.7	4.0	4.1	4.0	3.5	3.8
E530011L22Rik	1.0	0.8	1.0	0.9	0.6	0.9	0.7	0.9	0.8	0.8	0.8	1.2
Eaf1	14.3	15.4	11.5	18.3	17.1	14.6	14.9	11.6	13.2	13.7	13.5	12.0
Eaf2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.2
Eapp	30.5	27.1	28.5	27.6	23.6	32.3	30.6	31.0	26.1	28.1	33.3	34.2
Ears2	5.3	3.6	2.9	4.2	3.8	4.7	3.3	3.8	4.1	4.2	3.1	3.4
Ebag9	7.6	6.7	8.2	8.1	6.1	7.7	8.0	8.3	7.0	7.6	9.4	9.5
Ebf1	13.1	22.2	31.9	16.3	15.1	11.2	22.8	29.8	24.2	11.1	18.8	17.6
Ebf2	2.2	3.4	4.1	3.1	2.6	4.0	3.4	4.5	3.4	2.7	3.0	3.3
Ebf3	2.1	4.4	4.4	4.4	3.6	3.9	6.5	4.9	5.4	2.8	4.1	3.8
Ebf4	0.2	0.7	0.6	0.2	0.6	0.7	0.6	0.2	0.6	0.7	0.7	0.6

Online Table 1

Ebi3	0.6	0.0	0.1	2.6	4.7	0.0	0.8	0.1	0.3	0.5	0.2	0.1
Ebna1bp2	14.3	12.7	10.4	16.7	12.7	13.6	13.5	12.0	11.1	13.3	14.4	13.5
Ebp	12.5	12.9	13.1	12.5	12.1	11.4	16.5	18.1	14.4	12.8	18.2	13.7
Ebpl	6.7	6.1	5.2	5.3	5.8	5.4	5.7	5.8	6.0	6.0	5.7	5.3
Ecd	11.7	10.8	10.7	13.0	10.1	11.5	10.5	10.9	9.4	10.5	10.9	10.0
Ece1	54.1	49.0	49.4	56.1	46.3	54.0	49.2	45.3	37.6	33.3	39.4	38.7
Ece2	18.7	14.8	12.3	16.9	17.0	20.5	14.9	13.6	15.0	14.2	13.1	16.0
Ecel1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ech1	36.7	30.7	31.3	32.8	32.9	38.7	32.6	38.7	33.1	37.1	33.6	33.8
Echdc1	4.1	4.3	4.4	4.0	3.8	4.2	4.6	5.2	3.7	3.7	5.4	4.1
Echdc2	9.5	12.1	14.5	5.8	6.1	8.7	7.0	11.5	9.0	9.9	8.1	9.1
Echdc3	5.6	4.5	4.3	4.3	2.7	6.7	3.5	3.1	3.1	2.6	2.7	3.2
Echs1	31.0	33.9	35.0	16.2	22.8	19.2	26.7	44.2	35.7	28.7	31.4	28.0
Eci1	26.3	20.4	15.3	19.5	16.5	22.7	16.1	16.8	18.9	22.6	19.1	18.8
Eci2	32.5	25.9	26.3	26.5	24.1	28.5	23.0	27.9	23.6	24.9	21.6	24.5
Eci3	0.1	0.3	0.4	0.1	0.2	0.2	0.0	0.1	0.2	0.2	0.4	0.5
Ecm1	97.9	109.6	103.2	119.6	128.0	164.6	146.2	125.9	108.9	102.8	117.1	95.4
Ecm2	0.6	0.8	1.1	1.0	0.8	0.8	0.6	1.0	0.6	0.6	0.6	0.8
Ecscr	9.7	6.7	8.3	9.4	12.5	5.3	10.8	9.5	7.1	5.1	5.9	6.6
Ecsit	7.7	7.2	6.4	6.6	6.3	8.6	6.3	7.0	7.4	6.2	6.9	6.4
Ect2	1.4	2.8	4.6	0.9	4.0	0.8	5.2	1.9	4.3	2.8	3.9	2.8
Ect2l	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Eda	0.8	1.1	1.1	0.5	0.7	0.5	0.9	0.9	1.0	0.5	0.6	0.7
Eda2r	20.5	20.9	20.5	19.7	21.1	18.5	18.8	14.8	20.9	30.7	26.0	24.8
Edar	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edaradd	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Edc3	1.2	1.7	2.1	1.4	2.0	1.4	1.9	1.7	1.7	1.6	1.7	1.4
Edc4	9.3	11.0	9.7	8.7	10.1	9.7	11.0	9.9	10.0	9.0	8.6	8.0
Edem1	21.6	21.6	20.0	24.1	25.7	20.4	21.8	22.1	23.4	19.8	21.2	21.6
Edem2	12.8	11.3	11.7	14.3	15.5	11.3	12.8	13.1	12.6	12.8	10.8	11.5
Edem3	19.6	18.6	18.4	21.1	19.4	18.7	19.3	17.5	18.6	17.6	20.2	21.8
Edf1	172.1	125.8	145.6	154.4	149.5	136.2	160.3	163.6	156.7	156.7	157.2	179.6
Edil3	0.1	0.0	0.0	0.2	0.6	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Edn1	8.1	5.1	4.1	5.6	3.3	3.8	2.7	2.3	2.3	4.8	3.1	2.3
Ednra	0.1	0.1	0.2	0.0	0.1	0.0	0.2	0.5	0.3	0.6	0.6	0.7
Ednrb	0.1	0.1	0.1	0.3	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Eea1	12.6	10.0	9.4	15.8	12.9	13.9	11.2	7.6	8.6	11.4	12.9	13.1
Eed	13.0	13.8	15.4	13.6	13.3	13.1	12.6	11.5	13.0	14.6	13.9	13.4
Eef1a1	4875.7	3820.5	3815.1	3914.7	3706.4	4497.8	3663.6	5103.2	4069.7	4452.1	5121.7	4572.8
Eef1a2	2.7	3.7	6.4	3.2	2.8	3.6	0.8	3.3	0.5	1.0	1.2	1.4
Eef1b2	263.6	210.2	205.7	193.0	195.7	217.9	191.6	237.3	185.3	249.6	239.7	220.6
Eef1d	101.8	80.1	81.0	89.5	72.1	96.4	88.7	83.9	70.3	85.5	96.1	89.0
Eef1e1	23.5	21.0	16.1	27.8	19.3	21.0	21.3	17.3	16.0	22.1	23.5	19.5
Eef1g	580.1	551.9	561.0	493.6	469.4	540.5	563.0	628.1	531.8	512.4	624.7	565.9
Eef2	766.9	611.3	638.8	591.2	648.4	717.1	649.8	816.0	693.4	792.4	758.3	748.1
Eef2k	3.3	3.9	4.2	3.4	2.8	3.8	4.1	6.2	4.3	3.4	4.4	3.7
Eefsec	5.0	5.3	5.0	4.9	4.2	5.8	5.2	4.7	3.4	3.9	4.0	4.3
Eepd1	0.2	0.2	0.3	0.1	0.5	0.1	0.2	0.3	0.1	0.1	0.1	0.1
Efcab1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Efcab11	0.4	0.5	0.9	0.1	0.5	0.3	1.3	0.6	1.1	0.3	0.9	0.3
Efcab12	0.1	0.1	0.3	0.1	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.0
Efcab14	9.9	8.8	9.8	10.4	9.3	10.2	8.7	8.1	8.3	7.8	8.1	8.1
Efcab2	0.8	0.7	0.6	0.9	0.4	0.8	0.6	0.5	0.6	0.6	0.7	0.7
Efcab3	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.1
Efcab4a	1.8	1.4	1.2	1.9	0.9	2.2	1.2	0.9	1.0	1.0	0.7	1.0
Efcab4b	0.6	0.3	0.8	0.3	1.0	0.7	0.4	0.7	0.2	0.3	0.5	0.5
Efcab5	0.2	0.2	0.2	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1

Online Table 1

Efcab6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Efcab7	1.7	1.4	1.6	1.5	1.3	2.3	1.2	1.4	1.3	1.5	1.4	1.3
Efcab8	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Efcab9	0.1	0.2	0.1	0.0	0.3	0.3	0.2	0.1	0.2	0.2	0.3	0.2
Efcc1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Efemp1	346.4	234.1	249.4	109.7	92.7	48.8	152.9	155.9	159.4	215.2	219.7	204.5
Efemp2	174.3	149.0	147.4	197.9	170.6	182.9	211.7	184.6	196.5	177.5	180.2	191.7
Efha1	37.0	33.2	33.1	37.5	30.9	36.1	33.3	34.1	35.4	38.4	39.4	40.3
Efha2	1.8	2.1	2.1	2.6	2.1	1.9	2.5	2.3	2.1	2.6	2.9	2.6
Efha3	0.1	0.4	0.3	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2
Efha4	3.2	3.2	3.2	2.7	2.1	3.3	2.4	2.5	2.1	2.8	2.7	2.4
Efha5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Efhd1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.1
Efhd2	12.9	12.1	12.5	22.0	32.1	11.1	15.6	12.8	12.2	15.6	13.3	13.9
Efna1	0.8	1.0	1.8	0.6	0.9	0.4	0.8	2.9	1.6	2.0	1.7	1.2
Efna2	0.7	1.3	1.7	0.5	0.6	0.7	0.9	1.1	1.1	1.5	1.4	1.2
Efna3	2.1	2.9	1.9	3.0	1.5	2.7	1.7	1.4	1.2	1.7	1.7	1.6
Efna4	3.4	3.1	3.0	3.1	2.4	3.6	3.9	3.4	3.7	4.2	4.5	3.1
Efna5	1.5	1.7	2.3	1.1	1.8	1.4	2.1	2.0	1.7	2.4	2.0	1.6
Efnb1	6.1	5.7	5.9	6.5	6.1	5.5	9.1	7.5	12.3	15.3	13.8	12.0
Efnb2	4.1	3.5	3.4	3.4	3.8	3.3	5.0	3.3	4.6	7.0	5.3	4.1
Efnb3	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Efr3a	23.3	22.4	20.0	22.7	19.1	23.4	19.1	19.1	19.5	20.7	22.6	20.5
Efr3b	2.4	2.6	2.7	2.4	2.2	2.9	1.9	2.4	1.9	1.4	1.6	2.2
Efs	2.1	3.8	4.3	0.6	1.8	1.9	2.3	6.0	4.1	2.2	3.1	2.9
Eftud1	6.7	6.3	6.3	7.1	5.8	8.1	5.6	6.5	5.2	6.6	6.3	5.7
Eftud2	16.8	15.5	16.8	20.0	19.1	17.4	17.8	17.7	14.2	15.5	15.9	16.5
Egf	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1
Egfl6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Egfl7	3.4	1.5	2.0	1.7	1.7	2.6	2.2	2.8	2.7	1.6	0.6	1.4
Egfl8	0.2	0.1	0.4	0.2	0.1	0.4	0.4	0.4	0.3	0.3	0.3	0.1
Egflam	0.1	0.1	0.3	0.1	0.1	0.0	0.2	0.3	0.2	0.1	0.1	0.1
Egfr	12.7	14.6	19.3	8.9	12.3	8.6	11.9	16.6	15.3	30.3	20.4	19.6
Egln1	24.3	21.2	15.8	29.3	23.7	31.6	23.2	13.4	19.6	19.5	19.8	19.9
Egln2	15.4	14.7	13.9	17.0	15.6	16.9	18.1	18.8	17.6	18.7	16.3	16.5
Egln3	1.6	2.3	1.3	2.0	1.9	2.9	1.7	0.7	1.0	2.3	1.5	1.0
Egr1	0.6	1.0	1.1	0.4	1.1	0.5	0.8	0.4	1.1	8.1	1.8	1.4
Egr2	0.2	0.2	0.4	0.6	0.9	0.1	0.7	0.2	1.0	3.4	0.9	1.3
Egr3	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.7	0.1	0.2
Ehbp1	9.3	11.8	13.2	7.8	8.0	8.1	10.6	9.8	10.1	9.2	10.8	10.8
Ehbp11	22.3	18.1	15.2	28.1	28.6	19.8	33.0	18.6	26.5	21.7	25.3	22.3
Ehd1	39.3	30.1	27.4	33.9	35.7	29.3	40.8	42.6	37.1	39.2	45.0	35.8
Ehd2	60.4	69.4	71.5	57.1	68.8	55.9	80.5	108.2	84.2	57.0	74.6	68.2
Ehd3	16.2	16.9	17.3	21.0	13.4	14.8	16.0	13.0	19.2	12.4	15.9	15.5
Ehd4	6.9	4.4	3.8	12.4	12.1	6.4	5.4	3.3	3.6	5.1	5.0	4.2
Ehf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ehhadh	1.8	2.2	1.9	1.7	1.7	1.8	2.3	1.8	1.8	1.4	1.8	2.0
Ehmt1	6.5	8.1	8.7	7.3	7.5	6.8	7.2	8.3	7.2	7.3	7.9	7.9
Ehmt2	25.9	24.3	24.7	22.4	22.5	24.3	23.6	22.7	24.3	29.5	23.7	23.3
Ei24	42.4	44.4	41.9	41.2	45.7	36.5	41.6	33.7	41.0	42.3	42.9	39.2
Eid1	21.0	17.1	21.0	30.0	25.5	26.1	26.9	22.2	23.5	32.8	32.9	35.2
Eid2	8.4	7.5	8.3	7.8	6.5	8.7	8.8	8.7	8.3	9.5	8.1	9.4
Eid2b	1.9	2.5	2.3	2.2	2.0	2.5	2.5	2.0	2.3	2.9	1.7	2.4
Eid3	1.3	0.7	0.4	1.7	1.3	1.6	1.0	0.5	0.5	1.7	0.5	0.8
Eif1	36.6	38.5	36.8	33.1	47.5	37.6	38.6	46.7	47.0	48.9	43.9	43.5
Eif1a	43.1	33.8	32.5	50.4	43.6	41.2	43.3	39.2	39.5	45.4	55.3	47.2
Eif1ad	5.5	4.8	5.2	5.6	5.9	5.3	4.9	5.8	5.3	4.7	5.8	4.6

Online Table 1

Eif1ax	64.1	56.1	52.5	66.0	57.0	62.5	53.6	60.8	58.3	62.5	71.7	62.9
Eif1b	24.7	21.4	24.6	33.6	22.5	33.9	23.7	24.9	18.7	22.1	22.2	24.2
Eif2a	28.9	24.6	24.4	23.9	21.3	26.3	22.0	24.0	20.9	24.0	27.7	27.2
Eif2ak1	12.9	14.9	15.4	15.7	12.8	13.4	14.6	14.1	12.9	11.7	14.4	14.6
Eif2ak2	24.9	18.2	23.0	27.2	20.5	16.6	18.5	13.5	14.7	13.9	17.4	25.1
Eif2ak3	11.0	10.1	9.4	10.3	10.6	10.2	11.8	10.0	10.6	8.6	10.4	10.7
Eif2ak4	4.5	4.9	4.6	3.8	5.2	4.2	4.9	4.3	4.9	5.1	5.0	5.0
Eif2b1	14.5	14.1	11.4	14.1	12.6	13.0	13.7	13.3	13.1	14.4	13.6	12.1
Eif2b2	17.9	17.4	15.5	20.7	16.4	18.0	17.6	17.5	15.8	16.8	17.5	16.0
Eif2b3	11.9	10.8	8.7	12.6	10.7	11.4	11.0	9.8	9.9	11.2	12.2	11.8
Eif2b4	9.0	9.3	8.7	10.0	8.6	8.2	9.4	9.3	8.2	8.1	8.7	9.7
Eif2b5	32.0	27.3	24.0	30.4	24.3	30.6	25.0	26.4	23.9	25.1	25.7	27.1
Eif2c1	5.4	6.3	5.6	5.1	4.7	6.5	4.5	5.4	4.6	4.4	4.3	4.1
Eif2c2	5.5	6.6	5.1	5.8	6.8	6.6	6.4	4.8	5.9	5.1	5.9	5.0
Eif2c3	4.5	5.1	4.7	4.4	4.6	5.4	3.4	3.9	3.1	4.2	4.0	3.7
Eif2c4	1.3	1.6	1.7	1.7	1.2	1.0	1.1	1.1	1.3	1.1	1.4	1.4
Eif2d	18.3	18.2	18.0	18.6	16.3	18.7	15.5	16.8	15.4	16.0	17.8	16.0
Eif2s1	32.9	33.3	30.4	34.0	33.6	28.8	34.6	31.8	30.2	35.4	38.6	36.3
Eif2s2	87.7	71.8	69.3	76.7	61.7	72.2	75.2	78.1	72.5	75.7	94.0	87.5
Eif2s3x	64.5	51.2	47.8	64.1	52.6	62.1	52.7	49.7	47.3	53.7	61.7	56.5
Eif2s3y	25.7	24.2	30.2	28.4	24.9	25.9	24.9	27.2	24.6	26.1	23.4	31.8
Eif3a	114.6	100.3	114.6	140.3	111.2	111.5	126.9	105.2	88.8	104.3	135.8	137.8
Eif3b	53.6	53.2	47.1	59.7	59.5	57.5	61.7	56.8	51.0	56.7	56.7	55.6
Eif3c	121.5	85.9	86.8	121.4	85.6	116.5	91.0	105.4	80.1	90.4	112.0	95.4
Eif3d	59.7	59.8	57.1	65.2	53.2	57.7	60.9	63.2	53.6	57.9	61.1	58.7
Eif3e	126.4	99.7	97.2	103.2	101.3	111.9	91.8	100.7	94.1	119.9	123.5	110.4
Eif3f	87.0	77.1	67.6	61.4	67.5	75.7	66.7	81.3	65.3	70.9	79.1	68.4
Eif3g	67.0	73.7	68.3	69.2	60.9	71.8	66.6	69.2	59.0	71.8	71.6	70.0
Eif3h	124.9	109.9	111.6	116.1	104.7	120.3	103.3	125.5	100.0	110.6	122.4	114.6
Eif3i	107.0	87.7	74.8	88.3	84.3	91.7	76.8	92.4	85.5	92.2	93.8	78.9
Eif3j1	13.0	11.4	14.6	21.3	16.8	12.2	14.2	12.9	16.3	24.0	18.4	20.6
Eif3j2	9.3	11.2	7.8	4.7	5.9	8.5	11.1	8.8	6.2	2.8	10.9	7.6
Eif3k	150.6	125.6	119.2	144.0	116.1	149.8	125.9	146.7	113.5	135.4	141.2	127.8
Eif3l	81.6	71.3	65.1	79.4	68.3	76.0	77.0	79.0	67.9	76.9	81.8	74.3
Eif3m	87.7	74.9	58.6	67.5	70.9	71.5	58.9	63.0	74.2	95.7	77.1	78.3
Eif4a1	288.3	255.0	229.3	275.6	295.0	230.8	277.9	288.1	260.9	293.3	304.1	278.6
Eif4a2	160.1	162.3	170.6	126.9	124.7	168.0	123.0	115.7	159.0	187.8	176.4	196.5
Eif4a3	41.2	43.8	41.7	40.3	41.7	36.8	47.6	46.5	44.4	41.9	46.0	46.4
Eif4b	98.8	86.2	97.1	85.5	81.5	94.9	90.8	104.4	86.9	97.9	109.2	110.1
Eif4e	17.4	15.9	14.7	18.6	16.7	15.4	18.2	16.6	16.1	19.8	21.0	18.4
Eif4e2	27.5	20.9	25.4	27.6	25.0	22.6	28.9	31.3	26.1	26.3	31.4	30.0
Eif4e3	4.2	4.8	5.1	7.9	5.4	4.9	2.8	2.5	2.0	1.7	2.0	2.4
Eif4ebp1	71.5	48.9	37.3	66.2	46.1	72.2	53.7	82.3	77.1	43.9	69.0	45.8
Eif4ebp2	2.9	4.6	5.1	3.8	4.6	3.6	4.5	4.1	4.7	3.9	4.0	3.8
Eif4ebp3	2.2	2.4	2.3	2.1	2.0	2.6	1.6	2.2	1.9	2.0	1.5	2.1
Eif4enif1	6.9	8.2	8.8	7.4	6.1	7.2	8.1	6.8	6.9	6.0	7.1	7.7
Eif4g1	124.7	107.8	99.0	135.3	106.5	118.2	127.8	104.1	100.2	101.7	117.7	105.1
Eif4g2	77.4	74.5	67.2	80.6	79.6	78.2	74.0	76.9	77.0	79.7	85.7	73.5
Eif4g3	11.6	12.4	13.0	12.3	11.2	13.0	14.9	10.2	9.5	10.8	11.8	10.6
Eif4h	78.8	71.5	61.0	79.7	66.9	77.7	69.0	67.0	71.9	75.9	69.2	69.1
Eif5	45.4	37.5	36.1	48.7	37.6	45.0	36.5	33.4	38.7	41.6	43.0	40.6
Eif5a	183.3	150.3	142.9	196.4	187.1	173.1	193.3	177.0	153.8	170.7	174.2	152.2
Eif5a2	4.7	5.2	6.3	6.7	5.2	6.6	5.6	5.5	5.8	5.6	5.9	6.8
Eif5b	12.6	13.1	15.9	17.9	13.8	13.9	15.4	14.1	9.7	12.1	14.5	16.2
Eif6	32.6	27.1	21.7	36.0	33.1	27.9	30.2	26.6	29.7	31.2	28.4	24.9
Elac1	2.0	2.1	2.5	2.4	2.0	2.7	2.5	2.2	2.5	2.1	2.0	2.5
Elac2	6.8	7.1	6.0	5.8	5.6	5.9	6.3	6.1	4.9	6.3	6.2	5.7

Online Table 1

Elavl1	10.2	10.4	10.3	12.1	11.8	11.1	11.9	11.0	10.3	10.6	13.1	10.8
Elavl2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Elavl3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elavl4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elf1	11.2	11.8	15.5	10.9	12.3	9.8	12.8	13.0	13.5	10.6	12.4	14.0
Elf2	17.3	18.8	20.0	18.5	19.3	19.0	15.8	17.1	17.5	15.3	17.4	17.7
Elf4	1.9	2.8	3.2	2.2	3.0	1.5	3.1	3.2	3.0	2.8	3.0	2.6
Elf5	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0
Elfn1	0.4	0.5	0.7	0.6	0.6	0.4	0.8	1.0	0.8	0.6	0.7	0.7
Elfn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elk1	4.4	4.4	5.1	4.5	4.5	4.3	5.0	5.8	5.0	5.0	5.6	4.3
Elk3	11.7	10.6	11.0	13.8	13.6	12.8	14.9	11.0	10.6	10.5	11.2	10.3
Elk4	7.4	9.0	9.8	8.4	8.4	7.4	9.4	9.3	7.9	7.3	8.0	8.2
Ell	4.0	4.8	4.7	4.6	4.8	4.7	4.9	3.8	4.2	5.0	4.5	3.8
Ell2	12.4	10.3	10.6	15.8	18.6	10.2	13.2	9.6	10.1	11.2	12.2	14.7
Ell3	0.2	0.2	0.4	0.5	0.3	0.3	0.2	0.4	0.3	0.2	0.3	0.3
Elmo1	1.1	1.0	1.1	2.3	3.6	0.8	1.0	0.9	0.7	0.5	0.6	0.4
Elmo2	15.3	15.2	13.3	13.7	14.1	16.5	14.3	12.4	14.1	14.7	13.0	12.1
Elmo3	0.5	0.6	1.0	0.3	0.4	0.6	0.3	0.4	0.6	0.8	0.8	0.7
Elmod1	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elmod2	6.1	6.6	6.7	6.0	6.3	6.3	5.3	6.4	6.3	7.9	7.3	7.8
Elmod3	2.7	3.3	2.8	2.8	2.4	2.8	2.2	3.1	2.8	2.8	2.1	2.4
Elmsan1	2.9	3.6	3.9	2.7	3.0	2.5	3.8	3.9	3.4	3.0	3.3	3.5
Eln	1.4	1.2	3.9	0.2	0.2	0.1	0.4	8.7	1.2	0.5	0.7	1.6
Elof1	21.9	20.6	21.1	24.0	22.6	23.6	20.7	22.2	20.6	21.9	25.6	22.1
Elovl1	28.1	27.7	27.2	31.7	29.3	24.3	38.2	43.4	40.8	26.4	35.0	29.6
Elovl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elovl4	0.6	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.3	0.4
Elovl5	25.2	28.7	31.5	23.7	25.7	30.0	28.4	28.0	27.2	23.8	31.8	21.8
Elovl6	3.5	4.6	4.0	1.7	2.8	1.8	7.9	9.4	6.9	2.5	8.8	2.4
Elovl7	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0
Elp2	27.2	27.3	22.9	25.0	23.0	28.4	22.9	23.0	21.3	25.6	25.4	22.3
Elp3	25.2	23.6	20.9	26.3	20.0	24.6	20.9	23.0	20.7	21.8	22.1	22.1
Elp4	3.6	3.9	3.6	3.1	3.2	3.1	2.8	3.2	3.3	3.5	3.4	3.2
Elp5	26.6	24.8	21.3	25.1	22.8	28.7	22.7	25.7	23.0	24.4	27.2	22.8
Elp6	2.5	1.5	1.3	1.7	1.9	1.8	1.6	1.7	1.6	1.5	1.7	2.0
Eltd1	1.0	0.2	0.7	0.5	0.2	0.2	0.8	1.4	1.0	0.2	0.3	0.2
Emb	3.1	9.2	15.0	5.7	8.6	0.8	6.0	7.3	8.9	10.5	7.6	15.0
Emc1	13.7	13.3	12.3	15.7	13.3	15.1	12.9	11.9	11.9	11.5	11.1	9.9
Emc10	25.3	21.8	23.8	28.6	25.7	26.9	25.7	25.6	26.9	22.6	21.4	20.5
Emc2	41.8	40.3	43.1	48.8	39.0	39.1	39.0	40.7	36.9	44.9	48.2	49.0
Emc3	54.9	50.4	47.7	59.9	51.1	52.6	54.6	55.3	54.0	52.8	56.5	55.5
Emc4	39.9	35.9	32.0	45.3	38.9	46.2	37.9	38.8	38.8	44.3	38.4	35.7
Emc6	19.5	17.1	14.4	17.7	19.0	19.8	17.0	17.1	17.6	20.9	19.3	15.8
Emc7	82.8	72.4	63.8	96.2	69.1	84.2	69.3	57.7	69.8	67.4	69.3	76.4
Emc8	7.0	5.4	5.2	7.7	6.4	5.6	6.9	5.9	5.7	6.2	6.4	6.3
Emc9	11.2	10.0	10.1	9.0	8.3	10.9	9.3	7.9	10.7	8.3	9.4	11.7
Emcn	7.6	1.5	2.2	6.0	2.7	5.5	2.1	3.7	1.4	0.7	1.8	0.8
Emd	24.7	25.0	23.9	21.7	22.6	25.2	24.5	21.5	22.4	21.2	26.3	22.5
Eme1	3.3	3.4	3.3	3.1	3.5	2.8	4.4	3.7	3.8	3.2	4.0	3.6
Eme2	6.8	7.0	6.3	7.0	5.0	7.8	5.1	4.6	5.0	5.7	5.8	4.9
Emg1	28.7	25.5	19.6	24.7	23.0	26.8	20.2	18.9	23.1	25.8	21.5	20.7
Emid1	0.1	0.2	0.3	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1
Emilin1	58.6	72.5	87.5	72.5	107.6	75.5	107.0	82.5	98.3	69.3	54.6	83.3
Emilin2	1.7	2.0	2.2	2.7	7.2	0.6	3.1	2.7	2.5	7.8	5.4	4.4
Emilin3	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eml1	7.6	7.7	7.6	6.5	6.3	9.9	7.4	8.1	8.3	12.0	9.5	9.9

Online Table 1

Eml2	7.7	6.9	6.6	8.7	7.3	9.5	5.2	4.9	5.3	9.5	5.5	7.0
Eml3	8.1	9.8	9.3	7.8	8.2	8.2	9.4	8.3	9.7	8.9	7.1	8.4
Eml4	7.8	11.2	11.9	7.7	11.8	6.7	12.4	12.1	10.9	9.4	10.0	9.7
Eml5	0.8	0.9	1.8	1.5	1.0	1.6	1.3	1.0	1.0	1.2	1.6	1.9
Eml6	1.4	1.1	1.2	1.2	1.0	1.4	0.9	1.0	0.8	0.9	1.0	1.2
Emp1	154.3	135.0	173.3	88.5	188.1	109.6	272.5	232.2	282.2	182.4	240.4	275.2
Emp2	28.8	23.0	21.9	37.4	26.0	32.9	27.5	20.6	24.2	25.0	26.8	23.8
Emp3	133.4	109.3	113.0	171.2	143.4	139.3	174.4	178.7	151.5	140.9	155.4	138.2
Emr1	6.0	0.0	0.3	42.8	78.6	0.1	8.2	1.3	1.6	4.6	1.6	3.5
Emr4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Emx2	3.4	0.6	0.8	4.1	1.4	4.7	1.0	0.4	1.0	1.9	1.8	0.8
Emx2os	0.6	0.2	0.3	0.7	0.5	0.6	0.4	0.3	0.4	0.5	0.4	0.3
En1	0.4	0.3	0.1	0.8	0.1	0.5	0.5	0.3	0.5	0.4	0.6	0.4
En2	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Enah	4.7	4.1	5.2	4.1	3.2	3.6	4.6	3.7	3.3	6.9	7.1	6.3
Enc1	43.1	47.4	55.5	32.7	45.3	27.0	36.5	60.1	36.5	50.6	37.3	47.3
Endod1	14.4	7.4	6.1	20.0	19.6	13.5	16.3	6.1	9.6	11.4	12.1	12.0
Endog	1.5	1.7	1.3	2.1	2.1	1.6	2.1	2.2	2.8	2.7	1.5	1.8
Endou	0.8	0.8	1.0	0.7	0.7	1.2	1.2	0.9	0.6	0.7	0.8	1.2
Endov	1.5	1.5	1.6	2.2	1.7	2.1	1.7	1.8	1.7	1.3	1.7	1.3
Eng	45.8	51.5	49.1	64.9	62.0	62.9	72.0	45.0	51.3	31.9	38.0	34.6
Engase	0.7	0.8	1.0	0.8	1.0	0.7	0.6	0.9	0.9	0.6	0.7	0.4
Enho	7.1	5.5	3.3	11.8	4.8	11.2	3.9	1.8	2.6	4.0	2.4	4.8
Enkd1	2.5	2.5	2.8	2.2	2.3	3.1	3.0	2.5	1.9	1.9	2.2	1.4
Enkur	0.1	0.0	0.1	0.3	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.1
Eno1	168.6	149.9	108.5	186.9	190.6	172.1	174.7	159.6	177.9	169.7	183.2	155.7
Eno2	2.0	2.9	3.0	1.4	2.2	2.9	2.0	2.0	2.5	4.1	2.6	2.8
Eno3	1.4	1.5	1.4	1.9	1.3	1.5	1.7	1.6	2.0	2.7	2.0	1.6
Eno4	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Enoph1	8.2	7.4	7.2	8.2	7.7	9.5	8.8	7.2	8.4	8.3	9.1	9.0
Enox1	0.6	0.8	1.2	0.7	0.9	0.8	1.0	1.0	0.7	0.8	0.6	0.9
Enox2	6.4	6.9	6.7	6.5	6.0	6.1	5.4	6.1	6.2	4.8	6.7	6.6
Enpep	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.5	0.2	0.6	0.4	0.3
Enpp1	7.8	10.1	11.2	6.5	8.4	9.1	10.6	5.4	11.4	13.0	7.4	16.3
Enpp2	0.7	0.3	0.3	0.8	0.7	0.8	0.1	0.2	0.0	0.1	0.1	0.2
Enpp3	0.1	0.2	0.4	0.1	0.2	0.0	0.4	0.9	0.4	0.1	0.3	0.3
Enpp4	3.0	2.3	1.8	3.0	2.0	3.2	1.4	2.2	1.4	2.5	2.2	1.8
Enpp5	43.6	34.6	31.5	41.9	24.3	51.4	20.9	17.0	15.9	30.1	26.9	29.4
Enpp6	0.3	0.2	0.3	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.1	0.1
Ensa	66.6	59.4	50.8	74.1	59.4	62.8	58.9	50.2	55.3	59.1	66.1	59.2
Enthd1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Enthd2	3.7	3.8	3.5	3.6	4.0	4.1	3.5	3.3	3.8	3.2	3.6	3.2
Entpd1	0.7	0.2	0.2	1.3	0.7	0.4	0.2	0.2	0.1	0.2	0.2	0.1
Entpd2	3.1	5.5	11.6	2.2	4.3	2.4	3.5	20.2	5.8	2.4	2.5	3.3
Entpd3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Entpd4	14.6	13.2	12.6	15.7	13.2	14.1	12.3	13.4	12.1	15.0	14.1	14.1
Entpd5	8.0	7.4	6.4	8.6	8.0	9.7	6.2	6.6	5.8	6.9	6.9	6.7
Entpd6	3.0	3.6	3.7	3.7	3.7	3.2	2.9	4.1	3.8	3.5	3.3	3.2
Entpd7	1.7	1.8	1.5	1.4	2.4	1.3	1.9	2.0	2.0	1.8	1.7	1.5
Eny2	11.0	8.6	8.8	9.3	8.1	8.4	9.6	11.4	9.2	12.1	12.3	9.3
Eogt	11.9	12.5	11.8	11.2	11.5	12.8	12.7	13.6	13.5	8.9	14.2	11.5
Eomes	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ep300	2.8	3.1	3.2	3.1	3.1	3.0	3.2	2.7	2.9	2.5	2.7	2.6
Ep400	3.4	4.1	4.4	3.4	4.0	3.3	4.7	3.8	4.0	3.4	3.6	3.0
Epas1	23.1	27.6	28.9	32.2	35.1	22.1	33.0	17.7	22.3	16.8	17.8	21.9
Epb4.1	5.0	4.3	4.4	7.6	5.2	5.7	4.0	4.4	3.2	4.5	4.6	4.2
Epb4.1l1	11.2	10.3	9.6	12.3	8.4	13.7	12.2	7.6	8.9	7.7	9.8	9.3

Online Table 1

Epb4.1I2	84.0	81.5	90.3	105.1	88.8	85.1	108.7	77.2	88.5	66.0	84.7	98.4
Epb4.1I3	15.5	13.4	12.0	19.8	12.6	25.3	17.4	15.3	16.7	13.6	18.9	16.9
Epb4.1I4a	0.7	0.3	0.3	0.2	0.2	0.1	0.3	0.4	0.2	1.0	1.1	0.5
Epb4.1I4b	1.1	0.7	1.1	1.1	0.9	0.9	1.2	1.2	2.3	1.4	1.8	1.1
Epb4.1I5	1.8	1.8	1.4	1.1	1.0	1.5	1.7	1.3	1.8	2.6	2.1	2.0
Epb4.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epb4.9	1.1	0.8	0.7	1.6	0.5	1.4	0.7	0.4	0.4	0.3	0.5	0.5
Epc1	4.8	4.8	5.1	4.4	5.3	5.2	5.8	5.9	5.4	5.4	6.2	5.8
Epc2	5.1	5.2	7.6	5.3	5.8	5.3	5.8	6.9	6.0	5.8	7.3	7.2
Epdr1	37.2	28.5	23.8	30.4	24.0	34.9	23.5	22.7	22.7	26.0	27.5	26.4
Epg5	6.2	7.0	6.1	6.0	5.9	7.1	5.6	4.8	5.4	5.4	5.5	5.4
Epgn	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Epha1	0.5	0.4	0.3	0.2	0.3	0.3	0.5	0.6	0.6	5.8	2.5	0.8
Epha2	11.3	7.0	4.7	9.6	8.4	8.6	10.3	3.3	6.9	23.4	14.2	8.6
Epha3	0.3	0.3	0.4	0.0	0.1	0.0	0.1	0.4	0.3	1.2	1.0	0.6
Epha4	2.2	2.3	4.0	3.1	4.8	6.2	5.2	4.9	5.0	4.3	7.2	4.0
Epha5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epha6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epha7	0.6	0.7	1.7	0.3	0.8	0.3	1.2	1.5	1.1	1.1	1.1	1.7
Ephb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ephb2	2.2	3.1	4.0	1.9	3.0	2.2	3.7	4.5	4.8	6.5	5.6	4.6
Ephb3	3.8	5.6	6.7	3.5	3.9	4.3	4.0	8.7	6.8	6.6	5.6	4.7
Ephb4	7.3	9.4	9.5	7.2	9.6	9.7	12.7	12.0	12.4	13.1	11.1	9.8
Ephb6	3.0	2.4	2.4	2.2	2.2	3.0	3.2	3.4	2.8	3.1	2.4	2.8
Ephx1	354.3	307.6	235.2	416.4	273.0	464.3	299.3	225.1	214.1	315.2	309.7	293.3
Ephx2	14.0	14.4	14.8	15.3	12.9	21.7	10.2	13.8	11.7	16.0	18.6	21.2
Ephx3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Ephx4	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.1
Epm2a	4.2	3.2	2.5	3.6	2.8	4.2	3.7	1.8	3.2	2.4	2.8	3.1
Epm2aip1	5.2	5.9	7.1	5.4	6.0	5.3	6.2	7.1	5.9	6.7	6.9	6.9
Epn1	22.6	22.3	19.5	24.8	22.0	22.1	20.3	19.2	18.0	16.1	16.9	16.3
Epn2	14.5	18.1	19.1	13.6	13.1	15.2	15.7	15.8	18.4	14.5	15.4	16.7
Epn3	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Epor	0.3	0.3	0.3	0.0	0.1	0.6	0.1	0.2	0.1	0.1	0.1	0.1
Eppk1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Eprs	92.9	70.5	66.0	93.1	60.3	91.0	65.4	90.5	66.2	60.0	84.4	68.5
Eps15	10.6	11.5	12.9	11.6	12.8	10.3	10.8	15.6	12.0	10.5	12.9	13.0
Eps15I1	11.3	11.9	12.3	12.5	12.3	10.5	13.5	13.3	12.0	10.7	12.4	11.6
Eps8	7.6	7.8	9.1	5.2	6.8	4.5	8.3	9.6	8.5	17.2	11.3	12.7
Eps8I1	0.9	0.7	0.5	0.9	0.5	0.8	0.7	0.8	0.6	0.3	0.8	0.5
Eps8I2	0.6	0.6	0.3	0.5	0.2	1.2	0.6	0.2	0.4	2.5	1.5	1.3
Eps8I3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epsti1	0.2	0.0	0.1	1.0	1.3	0.0	0.2	0.1	0.1	0.1	0.0	0.0
Ept1	7.4	6.4	6.0	7.6	6.3	7.0	7.3	6.4	9.0	6.8	7.9	6.5
Epyc	0.2	0.3	1.6	0.0	0.0	0.0	0.0	1.1	0.2	0.2	0.2	0.4
Eqtn	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Eral1	6.2	5.8	5.6	6.7	5.6	6.4	4.8	6.4	5.9	5.7	4.8	5.0
Erap1	9.1	6.2	7.2	12.3	13.5	10.2	6.3	7.0	6.1	6.8	6.4	7.6
Erb2	2.3	2.6	2.9	2.1	2.3	2.5	3.3	3.5	3.9	2.9	2.5	2.5
Erb2ip	22.6	24.7	25.1	25.8	22.9	23.5	21.9	23.3	24.3	25.5	26.9	29.1
Erb3	0.1	0.2	0.1	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
Erb4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1
Erc1	5.4	6.5	6.7	4.6	5.9	4.2	6.5	6.2	5.5	4.9	6.1	6.9
Erc2	0.2	0.0	0.1	0.3	0.1	0.4	0.0	0.0	0.0	0.3	0.2	0.1
Ercc1	15.7	13.4	12.8	15.2	11.9	14.6	17.4	16.1	15.6	15.8	17.2	15.6
Ercc2	3.4	3.5	3.3	4.3	4.0	3.6	3.7	3.9	3.8	3.8	3.3	3.2
Ercc3	17.8	16.6	16.3	18.3	17.2	17.3	18.1	17.9	15.5	16.0	18.2	18.8

Online Table 1

Ercc4	2.1	2.2	2.1	2.1	2.0	1.8	2.0	2.2	1.8	2.2	2.0	2.1
Ercc5	13.4	13.9	12.5	11.4	10.3	12.1	11.2	8.8	10.2	13.4	12.7	13.0
Ercc6	3.1	2.7	2.6	4.4	3.8	3.6	3.2	2.8	2.8	2.8	3.4	3.0
Ercc6l	0.7	1.4	2.3	0.3	1.9	0.2	2.2	1.3	1.7	1.0	1.7	1.2
Ercc6l2	5.5	5.1	5.0	4.3	4.7	4.8	4.2	4.6	4.2	4.3	5.6	5.5
Ercc8	1.0	1.1	1.0	0.8	1.1	1.0	1.1	0.8	1.0	1.0	1.1	1.2
Erdr1	14.5	13.0	19.4	12.2	18.6	10.3	26.3	14.1	21.0	14.2	18.2	6.8
Ereg	12.3	10.3	8.8	13.2	16.9	7.3	21.9	11.9	15.6	15.6	20.2	16.5
Erf	8.0	9.1	9.4	7.6	9.5	8.1	12.1	12.5	11.2	7.9	8.4	8.3
Erg	1.0	0.2	0.3	0.3	0.4	0.2	0.5	0.9	0.6	0.1	0.2	0.3
Ergic1	74.6	59.4	45.6	82.5	56.6	77.5	69.8	44.0	51.0	59.4	67.7	52.9
Ergic2	24.0	25.0	24.1	22.8	24.2	20.1	24.6	25.8	25.4	25.1	27.5	26.2
Ergic3	83.8	76.0	81.2	92.6	78.8	92.4	78.1	80.6	71.2	83.0	73.0	81.3
Erh	69.1	60.5	60.4	70.5	66.5	66.0	63.0	68.1	61.3	71.5	76.0	67.8
Eri1	4.6	5.8	6.5	4.0	6.1	4.8	5.6	5.2	5.3	5.3	5.4	5.2
Eri2	2.1	2.9	3.2	1.6	3.2	1.9	3.1	2.6	2.8	2.4	2.6	2.4
Eri3	26.1	24.9	24.0	26.3	22.8	27.4	26.4	28.9	26.6	27.3	26.3	26.3
Erich1	10.5	9.5	11.0	11.8	8.5	11.1	9.7	7.4	7.4	8.3	10.1	10.7
Erlec1	7.4	6.2	6.9	9.6	7.4	7.7	7.8	8.0	6.4	8.7	7.4	10.4
Erlin1	7.9	8.0	7.7	8.2	8.6	8.5	8.0	6.6	7.3	6.2	7.0	7.4
Erlin2	27.2	25.0	22.3	30.6	24.6	30.0	24.5	22.8	24.2	22.7	24.2	24.6
Ermap	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ermp1	2.4	2.1	3.2	1.9	2.6	2.5	2.1	2.3	2.5	2.5	2.3	2.5
Ern1	8.2	8.9	7.8	9.0	10.4	9.1	13.1	7.5	8.4	8.4	8.5	9.6
Ero1l	44.7	32.5	22.8	55.6	32.8	56.8	33.1	23.3	31.0	39.2	39.6	34.5
Ero1lb	2.9	2.6	2.8	3.2	3.7	3.0	2.6	2.4	2.4	2.9	2.6	2.9
Erp27	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Erp29	85.5	72.8	75.3	105.9	85.3	81.2	82.7	82.4	77.0	78.3	79.8	81.4
Erp44	38.5	37.1	40.6	44.3	39.5	37.0	41.8	40.2	41.7	40.8	43.0	47.3
Errf1	4.6	5.9	5.3	3.4	5.3	4.2	5.8	4.4	4.8	8.1	6.6	5.8
Erv3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Esam	1.2	0.5	0.6	0.5	0.6	0.2	1.2	1.6	1.2	2.0	1.5	0.7
Esco1	4.3	4.9	4.3	4.9	5.4	4.0	3.9	4.6	4.7	5.3	5.1	5.1
Esco2	0.8	2.4	4.8	0.3	2.6	0.2	2.9	1.6	2.3	1.3	2.2	1.6
Esd	496.9	421.5	238.4	553.6	382.8	568.8	253.0	229.7	190.5	296.2	268.6	232.6
Esf1	11.0	12.1	11.3	13.3	10.0	10.8	10.9	9.3	8.3	10.3	13.2	12.6
Esm1	4.5	2.6	2.0	1.9	0.4	5.5	1.4	1.1	1.6	0.6	0.3	0.8
Espl1	0.7	1.0	1.3	0.3	1.2	0.5	1.4	0.8	1.1	0.5	0.9	0.6
Espn	0.6	0.6	0.6	0.2	0.6	0.3	0.5	0.4	0.4	0.7	0.7	0.3
Espnl	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Esr1	0.7	0.6	1.3	0.7	0.8	0.7	0.7	0.8	0.7	0.6	0.6	0.8
Esr2	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Esrp2	1.2	1.3	0.5	1.0	1.2	0.8	2.2	1.2	2.1	2.6	2.1	2.2
Esrra	7.7	7.3	5.6	9.5	8.1	8.8	7.1	4.9	7.5	8.1	6.6	6.4
Esrrb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Esrg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Esyt1	16.1	16.4	18.8	24.9	31.5	16.9	19.7	23.4	22.2	17.8	18.0	15.5
Esyt2	22.7	21.8	18.7	20.2	22.5	21.1	27.8	20.6	28.4	27.7	31.3	26.5
Esyt3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	0.2	0.2
Etaa1	1.2	2.0	2.2	0.9	1.8	1.4	1.6	1.8	2.0	1.7	1.5	1.7
Etf1	55.0	49.7	47.0	53.8	48.4	49.4	50.6	44.0	47.5	52.9	56.6	57.5
Etfa	25.6	25.3	25.0	21.6	24.5	25.1	19.9	24.2	20.6	23.5	21.2	25.0
Etfb	68.8	69.8	63.0	74.4	64.5	62.1	63.4	62.0	66.4	83.8	72.7	70.5
Etdh	19.5	18.5	17.2	20.8	16.2	19.2	16.1	16.9	16.6	18.9	18.1	19.4
Ethe1	4.3	5.3	4.9	5.4	4.0	6.1	4.5	5.0	3.8	4.3	4.6	3.5
EtI4	0.9	0.8	0.9	0.9	0.8	1.0	1.1	0.8	1.2	0.6	0.9	1.1
Etnk1	8.7	9.5	8.6	10.5	9.3	10.3	9.3	8.1	9.0	9.8	10.5	9.3

Online Table 1

Etnk2	0.1	0.6	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.0
Etohd2	0.5	0.4	0.5	0.5	0.4	0.5	0.3	0.4	0.3	0.5	0.4	0.4
Etohi1	11.0	11.2	13.9	13.1	12.9	13.2	10.9	13.8	11.9	12.8	15.9	14.6
Ets1	22.1	22.7	18.6	25.8	26.3	21.5	28.8	19.1	23.4	16.3	19.8	18.4
Ets2	4.4	2.8	3.6	10.3	20.7	3.5	6.0	3.7	4.0	5.1	3.9	4.0
Etv1	1.0	1.3	1.3	2.3	1.1	1.5	1.2	1.2	1.1	0.9	0.9	1.1
Etv3	3.8	4.2	3.6	5.2	5.7	3.9	4.3	3.9	3.8	4.0	4.4	4.0
Etv4	0.9	0.8	0.6	0.9	1.2	1.3	0.8	0.5	0.5	2.8	0.9	0.8
Etv5	6.3	5.7	5.1	6.3	7.6	7.0	6.9	3.6	4.2	9.1	6.6	4.7
Etv6	4.9	6.7	7.2	6.0	6.7	4.8	8.9	7.9	8.7	5.7	7.5	6.6
EU599041	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1
Eva1a	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Eva1b	18.5	20.0	16.4	16.5	16.4	17.4	20.2	23.3	25.5	25.0	18.8	18.2
Eva1c	1.9	1.3	2.4	0.5	1.1	0.9	1.3	1.5	1.1	1.9	1.7	1.6
Evc	10.2	10.0	12.4	8.8	8.4	10.1	10.8	10.7	9.1	8.9	8.6	9.7
Evc2	11.7	13.5	13.4	12.4	9.6	13.6	13.1	12.4	12.1	11.3	11.9	11.6
Evi2a	2.6	1.3	1.2	11.2	11.9	3.3	2.8	0.8	1.1	1.9	1.5	1.6
Evi2b	0.3	0.1	0.1	2.4	3.2	0.1	0.7	0.1	0.1	0.4	0.2	0.2
Evi5	13.4	12.9	12.2	14.3	12.1	13.9	13.0	11.8	11.9	12.6	14.2	14.1
Evi5l	6.1	7.6	6.8	7.1	4.7	6.1	6.9	5.4	5.8	5.7	4.8	5.7
Evl	3.3	2.5	2.5	7.9	9.2	3.8	4.9	3.0	3.4	3.7	4.2	3.2
Evpl	0.1	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.0	0.3	0.2	0.1
Ewsr1	43.6	44.3	45.0	58.9	44.3	45.5	53.0	48.7	44.5	44.4	48.6	48.3
Exd1	1.1	1.2	1.0	0.9	0.7	1.0	1.1	0.6	1.0	0.7	1.1	0.7
Exd2	4.2	4.1	3.4	4.8	3.5	5.4	4.4	3.7	4.1	3.5	4.3	3.6
Exo1	0.4	0.9	1.4	0.2	1.0	0.1	1.1	0.9	0.8	0.5	0.9	0.6
Exo5	5.9	5.6	6.0	7.7	6.2	7.6	5.6	5.7	6.7	5.7	5.6	7.6
Exoc1	11.6	12.4	10.3	11.6	11.2	12.7	10.9	10.6	11.8	10.2	11.3	10.6
Exoc2	20.6	19.9	16.6	19.1	19.5	20.6	17.4	14.3	16.8	18.3	17.7	17.3
Exoc3	20.1	17.1	15.4	21.1	15.7	17.3	16.0	13.3	14.4	16.4	17.9	16.4
Exoc3l	0.6	0.6	0.4	0.6	0.3	0.6	0.5	0.7	0.4	0.3	0.3	0.5
Exoc3l4	2.1	3.2	3.8	1.9	2.7	2.7	2.2	1.7	1.6	1.9	1.5	1.8
Exoc4	73.2	70.9	70.9	59.9	64.6	65.7	62.6	64.7	60.6	75.1	75.6	76.0
Exoc5	20.9	22.7	21.0	23.9	23.0	22.7	22.9	19.3	23.7	24.5	27.2	27.6
Exoc6	3.3	1.5	1.2	3.7	2.5	2.8	1.1	1.5	1.1	2.9	1.8	2.0
Exoc6b	13.1	13.0	11.3	14.0	12.6	12.8	13.0	10.8	10.8	12.6	13.4	12.7
Exoc7	19.7	19.2	16.8	19.1	16.6	20.4	15.9	15.2	14.5	15.9	16.1	15.7
Exoc8	6.3	6.4	6.3	7.2	6.6	7.0	7.1	6.3	7.1	7.0	6.2	6.9
Exog	1.6	1.7	1.9	1.6	1.6	1.9	1.4	1.4	1.4	1.6	1.5	1.5
Exosc1	8.7	10.2	9.1	11.1	8.8	10.7	9.7	10.3	8.6	7.9	11.2	9.2
Exosc10	14.9	13.5	14.6	16.3	13.6	14.4	15.8	14.7	13.3	13.9	14.9	14.5
Exosc2	7.0	6.5	6.2	7.8	6.2	6.0	8.7	5.6	5.7	7.1	6.4	6.4
Exosc3	11.8	9.3	11.9	11.3	11.1	11.5	11.3	11.5	9.2	12.4	12.8	12.8
Exosc4	8.8	7.9	6.3	7.5	7.2	7.8	6.6	7.1	6.9	8.9	7.5	5.4
Exosc5	9.0	7.8	6.0	9.2	7.9	10.4	6.6	7.6	7.3	8.9	7.0	6.0
Exosc6	4.9	5.9	4.6	4.6	6.2	4.5	8.4	6.0	5.8	7.4	7.5	6.6
Exosc7	10.1	11.2	10.2	10.1	8.3	9.9	8.4	9.1	8.4	9.9	9.2	7.6
Exosc8	8.1	11.2	10.7	8.7	9.1	8.4	9.5	10.1	10.6	8.3	10.1	7.7
Exosc9	30.3	26.5	22.2	29.3	20.7	26.0	22.6	20.5	21.4	21.5	25.1	25.3
Exph5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ext1	70.0	60.7	57.0	75.7	79.3	65.9	84.6	66.5	80.8	72.1	74.5	83.1
Ext2	37.5	34.4	30.7	35.0	30.9	37.9	33.6	31.8	31.7	29.8	28.7	28.0
Extl1	0.8	0.4	0.1	0.9	0.2	1.1	0.3	0.3	0.2	0.3	0.4	0.2
Extl2	11.2	11.2	11.5	13.3	9.6	13.5	11.2	11.0	9.4	12.1	11.8	12.2
Extl3	15.9	18.1	18.4	16.8	24.9	14.6	22.7	15.6	19.5	19.7	15.5	18.3
Eya1	0.1	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
Eya2	1.4	3.2	3.9	1.1	2.0	1.4	1.7	2.2	1.5	1.7	2.0	1.9

Online Table 1

Eya3	6.2	7.3	7.7	7.6	8.2	6.9	7.4	8.3	7.0	6.2	7.1	6.3
Eya4	7.0	7.1	7.7	7.0	6.1	10.6	9.5	9.6	9.5	6.6	11.8	10.1
Ezh1	10.2	12.9	10.4	10.0	8.9	12.0	7.8	9.8	9.0	8.3	8.6	9.6
Ezh2	1.9	2.5	3.7	1.4	3.6	1.5	3.4	3.6	3.1	3.0	3.1	3.4
Ezr	66.7	26.5	17.2	36.3	21.4	20.3	13.3	13.6	13.3	152.1	81.1	49.7
F11r	2.7	0.6	0.8	1.0	1.4	0.7	0.8	1.2	1.3	10.0	5.2	3.1
F13a1	0.2	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
F2r	98.0	101.2	103.9	124.2	94.5	116.5	125.4	105.2	119.6	128.9	113.6	126.1
F2r11	0.4	0.3	0.4	0.1	0.3	0.1	0.3	0.4	0.3	0.1	0.3	0.1
F2r12	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
F2r13	0.2	0.2	0.2	0.0	0.2	0.0	0.2	0.2	0.2	0.2	0.1	0.1
F3	95.1	145.3	159.1	96.4	112.2	80.4	86.5	75.9	70.3	113.9	132.3	90.4
F420014N23Rik	0.5	0.6	0.5	0.7	0.4	0.4	0.6	0.6	0.4	0.4	0.4	0.5
F5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F630028O10Rik	0.2	0.0	0.0	2.0	2.4	0.0	0.2	0.0	0.0	0.1	0.1	0.1
F630042J09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F630111L10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F630206G17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
F730035M05Rik	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
F730043M19Rik	4.2	6.7	5.8	6.9	7.1	8.8	10.0	5.0	5.5	4.3	5.7	5.6
F8	1.0	1.1	1.0	0.7	0.7	0.8	0.9	1.1	0.7	1.0	1.2	1.0
F830016B08Rik	0.6	0.3	1.0	1.1	0.8	0.4	0.3	0.2	0.2	0.2	0.3	0.9
F8a	1.9	1.8	1.5	1.9	1.4	1.5	1.5	1.8	1.7	1.8	1.8	1.5
F9	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F930015N05Rik	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Faah	0.3	0.4	0.2	0.4	0.3	0.7	0.2	0.3	0.3	0.2	0.4	0.2
Fabp3	8.1	3.4	2.0	5.1	2.2	4.8	2.7	3.4	1.4	6.7	5.3	7.2
Fabp4	6.6	2.4	2.8	8.2	2.4	2.0	3.2	5.3	6.3	4.4	2.0	3.6
Fabp5	96.4	139.3	125.2	65.1	72.4	51.0	134.6	160.7	227.7	72.4	160.7	105.2
Fabp7	0.5	0.3	0.4	0.5	0.3	0.4	0.1	0.3	0.2	0.2	0.2	0.4
Fadd	2.4	2.2	2.0	2.9	2.3	2.0	2.4	2.7	2.5	2.4	2.4	2.3
Fads1	44.9	52.5	45.8	39.4	38.4	46.7	56.8	61.9	63.9	28.9	56.5	36.4
Fads2	63.7	86.7	81.5	46.5	66.9	54.0	105.0	97.5	91.2	54.1	94.8	56.8
Fads3	59.0	63.7	47.4	64.3	56.9	56.1	79.8	73.7	85.0	44.6	64.0	54.5
Fads6	11.6	14.9	14.1	8.0	9.1	6.6	6.4	14.5	12.0	7.5	7.1	13.4
Faf1	19.2	18.6	15.5	15.4	15.1	16.7	16.6	16.0	17.7	16.9	19.4	16.4
Faf2	22.1	21.4	22.3	26.3	21.5	22.6	25.2	21.8	21.4	20.8	22.7	23.2
Fah	27.6	27.6	29.4	22.0	19.8	23.3	22.3	20.9	18.0	26.7	25.4	23.8
Fahd1	3.6	3.4	3.6	3.5	3.3	4.8	2.7	3.6	3.5	3.1	3.7	2.5
Fahd2a	3.2	3.8	3.1	2.7	1.9	5.4	2.1	2.3	1.9	2.3	2.0	2.9
Faim	22.2	20.8	26.5	29.3	18.7	24.3	26.0	23.3	19.1	20.4	23.6	27.0
Faim2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Fam101a	0.1	0.3	0.2	0.2	0.1	0.2	0.3	0.3	0.2	0.1	0.0	0.2
Fam101b	20.9	21.9	26.6	20.4	28.8	24.5	42.2	45.0	44.1	31.4	42.5	47.1
Fam102a	1.5	1.4	1.9	1.9	1.7	1.7	1.1	1.9	1.1	1.9	1.1	1.5
Fam102b	12.7	14.7	15.0	11.6	15.8	10.5	16.3	15.1	15.8	12.3	13.6	12.9
Fam103a1	25.2	22.8	28.3	29.9	22.2	28.5	24.4	25.1	20.5	23.7	31.9	32.3
Fam104a	10.8	11.5	11.4	14.7	12.5	12.9	14.3	12.7	12.4	12.3	13.1	12.6
Fam105a	0.6	0.2	0.2	3.4	6.0	0.2	0.7	0.1	0.2	0.5	0.3	0.6
Fam105b	13.8	11.3	11.4	16.6	19.2	10.9	13.6	12.8	11.5	12.7	14.2	14.8
Fam107a	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam107b	24.3	15.2	10.8	19.8	16.1	15.9	14.8	6.9	10.2	15.2	15.5	15.4
Fam108a	31.5	25.7	22.2	25.3	27.5	28.8	27.1	28.2	28.1	33.0	26.1	21.9
Fam108b	6.3	6.5	6.3	5.3	5.0	4.6	5.0	6.1	7.3	6.1	7.2	6.8
Fam108c	19.7	20.1	18.7	11.8	12.7	11.3	13.0	16.8	17.2	14.2	16.4	17.1
Fam109a	3.1	3.4	2.7	2.6	2.7	2.7	3.0	3.1	3.4	3.1	2.6	2.4
Fam109b	0.5	0.5	0.6	0.5	0.3	0.5	0.7	0.7	0.6	0.8	0.3	0.6

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Fam110a	2.6	2.8	2.7	2.3	3.0	2.6	2.3	1.4	2.2	3.8	2.5	2.2
Fam110b	2.7	2.9	2.4	2.8	2.3	2.9	2.3	3.1	2.5	2.6	2.6	2.0
Fam110c	4.2	1.5	0.7	1.2	0.5	1.0	0.6	0.8	1.7	18.8	7.7	5.3
Fam111a	7.9	11.4	15.2	8.2	20.7	4.3	16.6	10.9	12.0	10.2	14.6	9.5
Fam114a1	104.3	99.5	104.0	117.8	82.7	111.6	113.5	106.6	97.1	92.6	122.3	121.1
Fam114a2	27.5	29.0	30.9	29.8	24.8	28.7	26.4	28.0	26.1	27.6	30.2	29.8
Fam115a	25.9	26.5	22.4	20.3	20.4	22.0	23.0	19.6	24.3	23.2	22.6	21.8
Fam115c	5.5	5.8	7.0	4.8	6.2	5.3	5.5	6.2	5.4	6.9	8.1	5.2
Fam115e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam117a	3.1	4.0	3.4	2.1	2.6	3.1	2.5	2.8	3.3	3.3	2.8	2.9
Fam117b	4.2	4.7	4.3	3.6	3.9	4.7	3.8	4.2	4.0	4.3	5.2	4.5
Fam118a	8.1	7.7	5.9	6.6	8.1	6.7	6.7	5.0	5.7	7.1	6.3	6.6
Fam118b	13.5	10.4	9.7	10.3	10.2	10.0	8.7	9.7	9.1	12.7	11.8	10.5
Fam120a	63.2	68.7	64.0	66.2	68.0	67.3	70.5	61.5	64.4	61.1	71.5	60.7
Fam120aos	1.9	1.4	2.0	1.6	2.0	1.9	1.3	1.6	1.7	1.9	2.8	2.3
Fam120b	12.7	11.5	11.8	11.8	11.4	13.8	11.3	9.9	10.1	12.5	13.0	12.7
Fam120c	3.5	3.5	3.4	3.4	3.0	3.4	3.0	3.4	2.4	3.3	3.3	3.0
Fam122a	3.8	3.6	3.9	3.9	3.4	3.1	3.8	4.2	3.8	3.8	4.2	3.5
Fam122b	0.5	0.6	0.9	0.8	0.7	1.0	0.7	0.5	0.5	0.4	0.4	0.5
Fam124a	8.0	7.0	4.8	10.2	5.0	8.5	4.8	3.3	2.8	2.1	2.9	3.1
Fam126a	4.7	6.3	5.7	5.3	6.1	4.2	5.4	5.3	5.9	5.8	6.5	5.3
Fam126b	1.5	2.0	1.6	1.7	1.5	1.9	1.3	1.2	1.5	1.9	1.9	1.7
Fam129a	44.7	34.9	41.8	55.5	39.4	51.4	35.8	43.7	34.4	24.6	37.2	32.9
Fam129b	252.4	223.5	158.2	303.9	226.1	302.2	237.1	153.3	179.8	192.1	202.5	182.5
Fam129c	0.8	0.5	0.4	0.6	0.4	0.6	0.4	0.4	0.5	0.5	0.6	0.6
Fam131a	2.9	3.7	3.0	3.1	1.9	4.9	2.6	2.2	3.0	3.8	3.2	3.1
Fam131b	0.5	0.8	1.0	0.2	0.7	1.0	1.7	2.5	1.9	1.4	2.1	1.1
Fam131c	0.1	0.2	0.1	0.2	0.1	0.3	0.2	0.1	0.0	0.1	0.2	0.0
Fam132a	7.4	9.6	9.1	4.4	7.6	8.8	4.5	8.0	8.5	10.0	5.6	7.7
Fam132b	1.1	2.0	1.2	0.4	1.5	0.7	1.9	0.7	1.9	0.7	1.2	1.3
Fam133b	5.7	5.5	6.9	6.7	6.4	5.8	6.9	6.7	5.6	6.6	7.4	7.6
Fam134a	11.4	12.1	12.2	14.4	12.5	15.2	13.3	12.8	13.5	13.4	10.8	11.8
Fam134b	2.5	1.1	0.9	5.1	5.9	2.6	1.2	0.5	0.5	1.9	1.6	1.4
Fam134c	12.2	14.1	14.5	12.3	14.5	12.0	13.8	15.6	15.7	14.8	13.6	13.2
Fam135a	4.2	4.8	4.1	4.4	3.6	4.1	3.5	3.4	3.7	3.6	4.4	4.3
Fam136a	16.5	14.7	13.0	14.7	13.2	16.1	11.2	12.5	13.5	14.2	14.7	13.0
Fam13a	0.3	0.4	0.4	0.8	0.4	0.4	0.1	0.1	0.1	0.1	0.0	0.0
Fam13b	31.0	25.4	19.5	34.3	27.3	27.6	27.8	18.8	26.0	29.0	32.9	31.3
Fam13c	3.7	9.1	15.8	2.9	5.6	4.1	7.4	16.6	11.4	5.3	7.4	8.8
Fam149a	11.0	10.5	10.7	12.4	8.6	12.8	9.7	9.4	8.4	8.0	10.1	9.6
Fam149b	15.4	13.5	13.7	16.9	12.7	17.8	13.8	13.7	11.1	12.6	16.2	14.6
Fam150a	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.0
Fam151b	2.8	2.0	1.8	2.8	2.1	2.4	2.1	2.5	1.8	2.0	1.4	2.1
Fam154b	0.2	0.2	0.2	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.2	0.2
Fam155a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam159b	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Fam160a1	6.1	5.8	5.6	5.6	5.5	5.9	6.5	4.7	4.8	5.2	6.1	5.6
Fam160a2	1.2	1.5	1.3	1.1	1.2	1.2	1.3	1.1	1.4	1.5	1.2	1.2
Fam160b1	7.4	7.7	7.1	6.1	7.0	7.3	7.2	7.1	7.5	8.1	8.3	7.7
Fam160b2	1.8	1.8	2.1	1.7	2.1	2.2	2.2	2.4	1.8	1.9	2.0	1.8
Fam161a	1.2	1.5	2.1	1.8	1.4	1.7	1.3	1.7	1.7	1.1	1.6	2.2
Fam161b	0.8	0.8	0.8	0.9	0.5	1.0	0.5	0.4	0.6	0.6	0.4	0.6
Fam162a	77.9	67.7	63.4	64.4	64.1	73.1	62.0	52.5	58.9	80.9	72.5	84.4
Fam163a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam163b	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Fam166a	0.2	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.3	0.1	0.1	0.2
Fam166b	0.2	0.2	0.4	0.1	0.1	0.2	0.0	0.1	0.2	0.2	0.2	0.1

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Fam167a	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Fam167b	0.2	0.1	0.4	0.1	0.0	0.0	0.2	0.1	0.3	0.0	0.1	0.2
Fam168a	4.5	5.8	6.5	4.3	5.4	4.3	5.4	6.1	5.5	5.7	5.2	5.7
Fam168b	24.7	25.6	22.0	24.8	26.0	22.3	24.6	20.2	24.7	23.6	22.0	23.2
Fam169a	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Fam169b	1.6	2.2	1.2	1.9	1.4	1.6	1.5	2.0	1.3	0.9	1.2	0.6
Fam171a1	12.8	15.4	14.9	12.4	13.3	15.1	17.0	13.1	13.6	12.6	13.8	14.0
Fam171a2	3.2	3.3	3.0	2.6	2.0	3.3	2.3	3.7	3.9	3.3	3.2	2.9
Fam171b	2.0	2.1	2.2	2.0	1.7	3.1	1.8	2.9	1.8	1.6	2.4	2.3
Fam172a	5.9	7.0	6.9	6.0	6.0	5.8	6.3	6.4	7.3	6.4	6.9	6.9
Fam173a	25.1	24.5	20.0	19.2	19.8	25.0	17.2	19.5	24.3	25.7	18.0	18.3
Fam173b	9.1	8.3	7.1	9.5	8.0	9.1	9.4	6.9	8.1	8.0	9.0	8.3
Fam174a	11.3	10.9	10.2	12.5	10.1	13.5	10.9	9.6	11.1	12.3	10.9	12.6
Fam174b	5.7	3.3	1.6	8.7	2.1	5.8	3.3	1.6	1.4	2.2	2.7	1.5
Fam175a	2.5	2.5	3.1	2.4	2.7	3.2	3.0	2.9	3.1	2.3	3.6	2.7
Fam175b	16.1	18.1	18.8	16.4	17.2	14.7	17.1	17.8	18.9	17.0	18.2	20.8
Fam177a	25.9	20.9	23.6	30.6	24.4	24.4	29.4	21.4	25.9	20.9	28.5	30.8
Fam178a	13.9	19.0	18.0	13.8	13.8	13.3	13.4	10.6	12.6	13.1	13.2	15.7
Fam178b	0.6	0.9	1.5	0.3	0.6	0.9	0.5	0.9	0.7	1.0	0.5	0.7
Fam179a	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam179b	6.9	6.9	7.0	6.3	6.1	7.4	5.4	6.2	6.4	6.7	7.1	6.6
Fam180a	2.7	1.8	1.0	0.4	0.5	0.6	1.3	2.4	1.5	8.1	2.7	3.2
Fam184a	0.4	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.1	2.0	1.2	0.5
Fam184b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Fam185a	1.3	1.4	1.4	1.3	1.2	1.9	1.2	1.1	1.4	1.7	1.5	1.3
Fam186b	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.2	0.0
Fam188a	15.9	14.1	12.4	15.9	14.6	13.1	13.0	10.9	13.5	15.3	15.5	14.6
Fam188b	1.9	2.0	1.7	1.6	1.6	1.9	1.4	1.7	1.5	1.9	1.7	1.8
Fam189a2	0.5	0.4	0.4	0.5	0.3	0.6	0.6	0.3	0.9	0.6	0.7	0.7
Fam189b	2.3	3.0	2.7	2.3	3.0	3.1	3.8	2.7	3.2	2.4	2.8	1.7
Fam192a	20.9	19.1	19.0	27.5	18.7	21.6	19.3	18.7	15.8	17.6	20.9	22.2
Fam193a	2.9	4.1	4.2	3.5	3.3	3.3	4.3	5.0	4.3	3.3	4.6	4.1
Fam193b	3.3	3.6	3.2	3.1	3.1	4.0	3.6	3.0	3.9	3.0	2.7	2.7
Fam194a	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Fam195a	3.9	2.7	2.7	4.1	2.7	3.7	2.6	2.2	3.8	3.0	2.9	2.3
Fam195b	33.2	28.0	26.0	27.1	26.0	28.9	25.1	29.1	29.7	33.0	27.7	26.5
Fam196a	0.4	0.4	0.3	0.1	0.4	0.2	0.2	0.3	0.2	0.4	0.3	0.2
Fam196b	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam198a	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.0
Fam198b	75.8	67.9	69.2	93.4	75.0	106.6	102.9	73.0	87.2	73.0	93.8	88.0
Fam199x	1.7	2.3	2.8	2.2	2.0	2.0	2.0	2.3	1.9	2.3	2.3	2.4
Fam19a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam19a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam19a3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam19a5	1.9	1.7	0.9	1.3	1.3	2.4	3.1	2.3	2.2	2.0	2.5	2.3
Fam203a	2.7	2.3	2.1	2.5	2.7	3.7	3.2	2.6	2.8	2.9	2.6	1.8
Fam207a	8.9	9.1	8.1	9.3	9.7	9.6	8.5	9.3	9.4	10.6	8.3	9.1
Fam209	0.0	0.3	0.1	0.0	0.2	0.2	0.1	0.1	0.0	0.4	0.0	0.2
Fam20a	6.8	11.3	17.8	4.2	12.5	3.9	20.8	21.5	30.2	16.8	15.7	24.5
Fam20b	28.3	27.1	23.9	31.7	24.0	30.9	25.5	20.1	23.6	23.2	25.5	25.9
Fam20c	21.0	18.1	17.1	22.6	24.1	20.8	26.3	25.9	22.0	17.8	23.2	19.9
Fam21	28.6	24.5	23.3	29.4	22.9	26.3	21.0	22.4	18.6	21.9	23.8	24.5
Fam210a	4.0	4.3	4.3	3.6	3.8	4.3	3.9	3.8	4.3	5.3	4.5	5.0
Fam210b	3.6	3.8	3.2	3.8	3.6	3.8	3.8	3.2	3.0	3.9	3.9	3.5
Fam211a	18.4	18.4	13.7	19.2	12.3	21.9	16.8	13.1	16.0	12.3	17.1	11.6
Fam211b	2.8	1.9	1.8	3.3	1.4	3.4	1.2	1.1	0.8	1.0	1.2	0.8
Fam212a	4.9	6.2	5.2	6.5	6.0	5.9	7.1	6.9	5.5	4.2	5.2	4.0

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Fam212b	6.5	5.4	4.0	6.5	5.7	6.2	5.7	2.8	4.0	6.3	5.9	5.5
Fam213a	8.1	5.4	4.7	8.4	4.3	8.9	3.7	4.5	3.0	5.7	5.7	5.5
Fam213b	19.0	18.7	12.4	15.3	13.0	19.0	9.3	14.0	12.9	13.9	13.9	12.0
Fam214a	9.0	10.9	10.9	7.2	8.4	8.7	7.0	7.0	8.3	9.0	8.2	8.1
Fam214b	20.3	19.6	14.9	20.7	20.2	18.2	21.3	16.9	19.6	17.3	19.2	17.6
Fam216a	21.4	22.0	21.3	24.1	18.4	22.3	19.3	18.3	16.5	24.1	20.4	18.7
Fam217a	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
Fam217b	0.9	0.2	0.4	0.8	0.9	0.6	0.5	0.4	0.4	1.0	0.7	0.9
Fam219a	5.4	4.8	3.2	6.4	4.1	4.9	5.5	3.5	4.0	3.5	4.4	3.1
Fam219b	13.2	11.7	9.1	14.2	11.3	13.6	12.1	8.3	10.1	10.7	9.9	10.9
Fam220a	17.3	18.5	15.3	17.0	13.4	22.9	13.9	12.4	12.8	13.4	16.5	13.7
Fam221a	0.5	0.8	0.8	0.3	0.6	0.8	0.5	0.4	0.3	0.4	0.3	0.4
Fam221b	0.1	0.1	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.1
Fam222a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam222b	2.8	2.8	3.1	3.4	3.4	2.8	3.5	2.8	3.0	3.0	2.9	2.7
Fam227a	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
Fam227b	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0
Fam228a	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Fam228b	0.2	0.2	0.3	0.3	0.2	0.5	0.2	0.1	0.3	0.3	0.2	0.2
Fam229b	5.3	4.6	4.3	3.9	3.0	4.9	3.1	4.7	3.8	3.9	4.0	3.8
Fam25c	0.4	0.3	0.5	0.0	0.4	0.5	0.6	1.1	0.1	0.2	1.0	0.2
Fam26d	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam26e	26.8	25.5	23.7	19.8	16.0	22.1	15.1	13.1	16.1	14.7	19.6	22.0
Fam26f	0.4	0.7	1.1	0.8	0.8	0.7	0.4	0.5	0.7	0.4	0.1	0.7
Fam32a	43.6	37.7	35.2	55.2	36.0	46.3	40.4	33.4	30.4	35.5	39.3	43.3
Fam35a	3.2	3.5	3.6	2.3	3.0	3.0	2.7	3.0	3.4	3.3	3.1	3.7
Fam3a	13.6	12.1	12.0	13.8	12.8	14.3	13.9	14.1	15.3	14.3	12.7	13.2
Fam3c	23.8	18.9	22.9	28.2	23.4	24.3	27.1	20.3	19.2	24.8	26.6	28.4
Fam43a	6.9	5.9	6.6	3.5	3.3	3.5	3.1	4.0	3.0	4.3	3.7	4.2
Fam43b	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam45a	13.4	13.5	13.6	18.6	15.2	16.2	12.9	14.1	12.9	14.2	17.5	14.7
Fam46a	1.9	2.8	6.3	1.6	2.8	1.4	2.3	5.4	3.1	3.4	1.9	4.6
Fam46b	3.2	3.3	2.5	1.3	2.1	1.5	3.6	3.7	4.6	4.2	5.3	3.3
Fam46c	0.5	0.4	0.3	0.6	1.2	0.2	0.4	0.2	0.5	3.1	0.7	0.7
Fam49a	9.3	8.9	9.6	11.2	11.1	7.6	9.0	7.4	7.8	13.4	11.1	9.2
Fam49b	4.7	4.0	3.8	5.7	8.2	4.4	4.7	4.1	4.1	5.0	5.3	4.7
Fam50a	56.5	39.3	33.2	89.3	33.3	72.1	31.3	27.3	24.0	31.4	37.4	39.7
Fam53a	8.9	9.1	8.2	10.5	7.6	10.8	8.1	8.7	9.1	8.4	9.1	8.3
Fam53b	4.2	6.2	6.2	4.3	5.6	5.1	4.2	4.0	4.1	3.0	3.3	3.2
Fam53c	5.5	6.1	5.1	6.3	6.5	5.6	5.6	5.2	5.4	5.0	4.6	4.2
Fam57a	2.1	2.1	2.9	2.9	2.8	2.3	5.0	3.8	3.5	2.9	3.1	2.8
Fam57b	0.3	0.3	0.2	0.2	0.1	0.3	0.0	0.2	0.2	0.2	0.4	0.1
Fam58b	9.6	8.8	7.8	9.0	8.2	8.9	8.1	10.0	8.3	8.8	6.7	8.3
Fam5b	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Fam5c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam60a	2.8	2.7	2.0	4.0	4.0	3.1	3.0	2.2	3.2	4.7	4.4	3.0
Fam63a	11.0	11.0	10.2	11.5	11.4	8.3	13.2	14.8	11.8	11.9	11.9	11.8
Fam63b	14.5	17.1	17.1	13.6	15.9	13.7	16.3	16.7	17.3	12.4	17.9	18.2
Fam64a	2.6	4.8	6.1	0.6	6.3	0.7	11.3	2.5	7.4	3.2	6.2	2.9
Fam65a	2.4	3.1	2.7	2.7	2.6	3.0	2.9	2.7	2.6	3.2	2.3	2.4
Fam65b	1.6	2.4	1.8	1.3	2.0	3.8	3.7	4.3	4.5	1.4	2.7	1.9
Fam65c	1.6	5.1	6.3	1.1	2.0	1.1	1.9	4.6	3.9	1.2	1.3	1.8
Fam69a	10.2	10.4	10.0	9.5	11.0	7.9	7.9	8.8	9.2	11.9	11.5	9.7
Fam69b	9.0	7.4	5.7	8.3	5.8	13.2	6.3	5.1	5.9	7.4	5.3	6.3
Fam69c	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Fam71d	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam71e1	0.3	0.5	0.4	0.3	0.3	0.7	0.3	0.4	0.5	0.4	0.2	0.2

Online Table 1

Fam71f1	0.3	0.3	0.1	0.4	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.1
Fam71f2	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.1
Fam72a	1.6	2.1	1.3	1.0	1.4	1.5	1.4	1.9	2.1	1.4	1.6	1.2
Fam73a	0.8	0.6	0.6	0.7	0.4	0.9	0.5	0.4	0.4	1.1	0.5	0.6
Fam73b	7.7	7.9	6.3	7.0	7.4	6.7	7.5	6.4	7.8	7.6	7.0	5.9
Fam76a	11.7	13.8	14.6	11.1	12.1	13.2	11.8	14.9	13.5	12.5	13.8	14.6
Fam76b	2.5	2.9	4.5	3.3	3.6	2.8	3.6	3.8	3.2	2.8	3.4	3.4
Fam78a	0.1	0.1	0.0	0.1	0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.0
Fam78b	0.4	0.2	0.3	0.9	0.6	0.8	0.5	0.3	0.4	0.5	0.4	0.4
Fam81a	0.4	0.3	0.5	0.4	0.4	0.2	0.4	0.0	0.2	0.2	0.3	0.2
Fam83a	0.5	0.5	1.2	0.1	0.3	0.1	0.1	1.2	0.4	0.8	0.8	1.1
Fam83c	0.0	0.1	0.1	0.3	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.0
Fam83d	2.5	3.2	5.7	0.9	4.2	1.0	5.8	4.5	5.1	3.2	3.8	4.0
Fam83e	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Fam83f	0.0	0.0	0.0	0.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Fam83g	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
Fam83h	1.9	1.6	1.7	1.5	1.8	1.9	1.5	1.6	1.9	1.9	1.5	1.5
Fam84a	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	1.6	0.7	0.3
Fam84b	1.2	0.8	1.0	1.0	0.9	1.0	0.6	0.9	0.8	1.6	1.2	1.2
Fam86	7.1	6.8	5.4	6.9	6.6	6.9	6.1	6.7	7.0	6.7	7.5	5.8
Fam89a	0.2	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.2	0.1	0.0	0.1
Fam89b	17.4	14.3	13.5	20.7	17.9	16.9	18.8	17.2	19.9	20.8	17.2	15.6
Fam92a	37.1	32.7	36.8	35.5	23.9	41.9	29.4	28.7	24.5	31.1	38.8	37.8
Fam96a	18.2	16.3	15.9	18.9	25.7	15.8	15.8	15.5	16.3	16.4	17.4	17.5
Fam96b	29.1	25.8	28.7	31.8	25.5	31.8	30.1	26.6	27.7	24.5	26.2	30.2
Fam98a	17.1	15.3	15.9	21.0	15.7	16.1	16.5	14.2	12.2	14.0	16.9	16.8
Fam98b	2.5	2.2	3.1	2.3	2.7	2.6	2.9	2.5	2.8	3.1	2.5	2.9
Fam98c	4.2	3.1	2.9	2.7	3.1	3.1	3.6	3.3	3.6	3.6	2.2	3.2
Fan1	3.5	3.1	2.9	2.9	2.9	3.7	2.8	2.8	2.1	2.7	2.8	2.3
Fanca	0.9	1.2	1.3	0.6	1.3	0.4	1.8	0.9	1.4	0.9	1.3	0.8
FanCb	0.9	1.5	1.6	0.6	1.3	0.8	1.6	0.8	1.3	0.9	1.5	1.3
Fancc	2.1	2.7	3.0	1.4	2.7	1.9	2.6	3.6	3.5	2.4	2.2	2.7
FanCd2	0.6	1.2	1.6	0.1	1.3	0.2	1.7	0.6	1.3	0.6	0.9	0.8
Fance	3.3	4.3	4.2	3.0	3.3	3.8	3.3	4.4	4.1	4.6	4.0	4.2
FanCf	1.0	1.3	1.2	1.3	1.1	1.5	1.4	1.8	1.4	1.2	1.1	1.2
FanCg	1.7	2.3	2.3	1.5	2.2	1.4	1.8	1.8	2.4	1.6	1.9	1.7
Fanci	0.5	0.8	1.5	0.3	1.3	0.2	1.2	0.7	1.0	0.5	0.9	0.7
FanCl	2.2	2.3	3.4	1.9	2.4	2.2	2.6	2.3	2.2	2.2	2.0	2.0
FanCm	1.7	2.3	2.3	1.4	1.8	1.4	2.0	1.8	2.0	1.8	2.0	1.7
Fank1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Fap	0.2	0.6	1.5	0.2	0.6	0.0	0.5	1.1	1.3	1.0	0.4	0.9
Far1	15.6	16.5	17.0	18.3	18.0	16.2	19.0	18.4	20.0	16.4	21.9	19.8
Far2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.2	0.1	0.2	0.2
Farp1	16.1	14.8	12.4	12.3	13.3	14.8	16.1	13.5	14.8	16.7	15.2	13.2
Farp2	2.4	2.3	2.3	2.3	2.3	1.8	2.3	2.5	2.1	2.9	2.8	2.2
Fars2	7.3	6.7	5.1	6.4	6.0	6.7	5.3	5.7	5.8	6.5	6.4	5.7
Farsa	14.7	14.2	12.4	15.5	14.6	13.9	15.7	15.5	14.6	13.8	13.5	12.8
Farsb	25.5	24.5	17.6	29.0	23.6	23.1	19.1	19.9	20.2	22.4	24.3	19.4
Fas	54.7	51.5	51.2	59.1	70.5	43.9	41.0	40.5	39.6	36.6	44.6	49.4
Fasl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fasn	15.6	16.0	12.5	10.7	15.1	10.5	28.3	22.1	21.9	12.2	19.1	10.4
Fastk	16.4	15.8	13.8	18.2	14.5	19.1	14.7	16.0	15.1	13.2	15.1	12.6
Fastkd1	2.2	2.3	1.9	1.9	1.9	2.3	2.0	2.1	2.1	2.0	1.7	2.2
Fastkd2	4.3	3.7	2.8	6.1	4.2	5.5	3.6	3.7	3.5	4.5	4.9	3.9
Fastkd3	2.3	2.8	2.6	2.7	4.5	2.1	2.4	2.6	3.0	2.5	2.0	2.8
Fastkd5	3.6	3.3	2.7	3.6	3.4	3.1	3.5	3.3	3.3	3.6	3.6	3.2
Fat1	117.9	134.6	135.8	100.6	109.8	114.6	182.1	125.3	151.2	101.3	119.5	123.9

Online Table 1

Fat2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fat3	0.1	0.0	0.0	0.9	1.3	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Fat4	1.4	2.1	2.6	1.4	1.7	1.3	3.0	2.7	3.3	1.9	2.4	2.4
Fau	504.2	438.2	446.7	464.0	453.3	463.5	435.8	564.4	450.9	491.7	502.7	474.3
Faxc	2.2	2.1	2.0	2.6	1.9	3.1	2.1	1.5	1.7	1.7	2.0	1.7
Fbf1	9.0	8.8	8.1	9.9	7.2	11.8	8.8	6.8	7.1	8.8	8.5	8.2
Fbl	17.4	13.8	14.1	14.3	17.3	15.8	16.8	15.4	12.7	17.3	15.2	15.6
Fblim1	10.5	9.6	9.4	16.8	15.7	11.8	13.8	9.5	12.6	9.5	10.6	8.1
Fbl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Fbln1	3.0	8.6	30.2	1.2	5.4	2.2	5.6	17.0	9.5	6.5	5.1	8.9
Fbln2	1000.8	930.2	905.6	687.1	959.0	795.5	1128.7	1590.9	1269.1	822.8	964.5	953.7
Fbln5	25.1	23.8	28.1	23.2	19.2	21.6	22.9	30.0	22.6	39.0	34.3	27.1
Fbln7	0.8	1.0	0.9	0.7	0.6	0.6	0.6	0.3	1.0	0.9	0.7	1.1
Fbn1	167.6	214.1	289.4	126.7	213.2	144.3	257.8	454.6	312.7	189.5	230.6	243.4
Fbn2	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.2	0.1	0.1	0.2	0.1
Fbrs	1.9	2.7	2.3	2.1	2.4	2.0	3.1	2.1	3.0	1.9	2.3	1.8
Fbrs1	1.0	1.3	1.2	1.0	1.5	1.0	1.2	1.2	0.9	1.0	1.1	0.8
Fbx12	2.1	2.0	2.0	2.1	2.3	2.4	1.7	2.4	2.5	2.1	2.1	1.5
Fbx13	0.0	0.1	0.2	0.0	0.1	0.0	0.1	0.4	0.1	0.0	0.1	0.0
Fbx14	5.7	5.1	5.4	6.1	5.1	5.5	5.3	5.0	5.5	5.3	4.8	4.9
Fbx15	1.4	0.9	1.0	0.9	0.9	1.1	1.2	1.7	1.7	2.1	1.7	1.2
Fbx16	1.0	1.2	1.1	1.9	0.8	1.5	1.3	0.9	1.4	1.8	1.4	1.3
Fbx17	1.1	1.5	1.1	1.1	1.1	1.2	1.0	1.0	1.1	1.1	1.1	1.0
Fbx18	2.7	3.3	3.2	3.1	3.1	3.0	3.4	3.3	3.0	2.5	2.4	2.1
Fbx19	3.1	3.7	3.7	3.0	3.0	3.1	3.5	3.3	3.9	3.5	2.7	3.1
Fbx12	2.6	1.8	1.3	3.6	1.6	3.2	1.9	1.3	1.4	1.0	1.4	1.6
Fbx120	9.1	9.3	9.2	8.1	8.1	9.1	8.4	8.4	8.5	9.2	9.0	9.2
Fbx121	1.5	1.2	1.0	1.0	1.0	1.6	1.1	0.7	0.6	0.9	0.6	0.8
Fbx122	0.3	0.4	0.5	0.5	0.5	0.3	0.5	0.4	0.5	0.5	1.0	0.6
Fbx13	14.7	15.3	15.5	16.1	13.8	17.3	12.5	14.5	14.3	13.6	15.3	15.6
Fbx14	11.2	8.7	6.5	10.3	7.6	11.0	8.0	7.0	7.4	7.6	8.2	7.5
Fbx15	14.0	15.6	15.6	12.9	14.0	13.6	14.7	14.8	16.0	15.8	17.3	17.4
Fbx16	8.3	7.6	7.2	5.4	7.3	6.9	7.2	8.6	8.8	7.8	6.1	6.0
Fbx17	1.1	0.9	0.8	1.0	1.1	1.2	1.2	1.3	1.4	1.1	1.2	1.2
Fbx18	3.2	2.9	2.9	2.3	2.8	3.1	3.1	3.8	3.9	2.9	2.8	2.9
Fbxo10	3.2	3.5	4.4	3.2	2.7	3.2	3.8	4.2	3.8	3.1	3.6	4.1
Fbxo11	5.1	6.8	7.0	6.7	5.8	6.7	5.7	6.2	5.5	5.9	6.8	6.2
Fbxo15	0.1	0.1	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.1
Fbxo16	0.3	0.3	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.4	0.4	0.1
Fbxo17	5.4	3.9	3.0	4.3	3.6	3.6	4.7	3.8	3.8	3.1	3.2	3.3
Fbxo18	29.8	29.7	27.9	26.8	25.8	29.1	28.5	28.4	29.6	28.3	29.2	30.5
Fbxo2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.4	1.1	0.7	0.3
Fbxo21	10.7	10.3	9.6	10.6	8.3	13.0	9.3	9.3	9.1	8.7	8.2	8.5
Fbxo22	13.9	14.9	15.6	18.7	15.1	16.6	16.3	16.0	14.8	14.9	16.5	15.5
Fbxo24	0.4	0.1	0.2	0.5	0.2	0.4	0.3	0.3	0.4	0.2	0.1	0.2
Fbxo25	30.6	25.4	20.6	28.7	23.7	28.6	26.4	26.1	25.3	26.6	25.9	23.4
Fbxo27	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.2	0.2	0.1	0.2	0.1
Fbxo28	14.2	13.1	11.1	15.0	10.2	13.1	10.1	9.4	9.8	11.6	11.2	11.5
Fbxo3	35.1	34.6	33.6	31.0	29.2	34.5	30.3	27.7	29.2	32.7	32.3	31.6
Fbxo30	4.7	5.2	5.1	4.7	4.9	5.7	4.7	4.6	5.6	5.3	5.7	5.1
Fbxo31	3.3	3.0	3.0	3.1	2.3	3.1	2.8	3.1	2.8	2.8	2.9	2.5
Fbxo32	5.7	5.4	4.7	5.4	10.0	4.1	8.3	5.2	8.2	9.1	8.9	12.3
Fbxo33	6.2	6.1	5.2	7.0	6.7	6.5	5.7	5.1	5.9	7.2	6.8	5.9
Fbxo34	6.0	6.4	5.9	6.2	6.5	5.6	5.9	5.0	5.8	6.0	5.8	5.8
Fbxo36	4.3	5.5	4.7	3.1	3.7	6.8	4.2	5.9	4.6	4.2	4.6	5.1
Fbxo38	15.5	16.0	16.4	15.7	14.0	15.0	14.2	15.9	15.0	16.5	15.5	18.3
Fbxo4	7.5	7.1	6.9	6.2	5.3	6.6	6.3	7.1	6.3	5.0	6.5	6.3

Online Table 1

Fbxo40	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Fbxo41	0.3	0.4	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1
Fbxo42	4.3	4.6	4.2	4.0	4.4	4.5	4.5	3.7	4.3	4.0	4.4	3.6
Fbxo43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbxo44	2.5	3.1	2.0	3.3	1.7	3.6	1.6	1.4	1.8	2.9	2.6	2.3
Fbxo45	3.7	4.4	4.2	4.0	4.2	3.9	3.6	3.6	3.8	4.0	4.7	4.1
Fbxo46	2.0	2.0	2.1	1.8	2.1	1.6	2.3	2.2	2.5	2.4	2.1	2.1
Fbxo47	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.2	0.3	0.3	0.2
Fbxo48	0.2	0.4	0.6	0.0	0.6	0.0	0.5	0.1	0.4	0.2	0.4	0.1
Fbxo5	1.5	2.4	3.6	0.8	3.2	0.8	5.1	2.4	3.1	1.7	3.9	2.1
Fbxo6	30.9	27.3	21.4	30.8	21.6	30.7	22.6	24.4	24.8	24.3	26.6	23.1
Fbxo7	7.4	7.2	7.8	5.6	7.3	6.5	7.2	8.8	8.1	8.5	8.0	8.5
Fbxo8	7.2	7.6	7.5	8.6	6.9	7.8	7.2	6.4	7.4	7.3	8.8	8.6
Fbxo9	11.8	8.6	8.9	12.9	10.6	8.0	13.0	12.2	13.9	12.0	12.1	12.7
Fbxw10	0.6	0.8	1.1	0.7	0.5	0.6	0.7	0.6	0.4	0.4	0.7	0.9
Fbxw11	20.2	20.6	18.2	20.1	19.8	19.8	18.3	16.8	18.6	18.0	19.8	18.4
Fbxw15	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Fbxw16	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Fbxw17	7.9	4.9	6.1	6.6	5.7	7.6	6.0	5.1	6.7	5.8	5.4	5.0
Fbxw18	0.5	0.2	0.0	0.6	0.3	0.3	0.7	0.1	0.3	0.4	0.4	0.1
Fbxw19	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbxw2	23.0	20.4	20.3	25.5	19.7	24.7	21.8	20.4	20.9	21.1	21.0	22.0
Fbxw21	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Fbxw24	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.0
Fbxw26	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1
Fbxw4	6.7	6.5	5.3	5.4	5.8	5.7	3.8	4.8	4.3	5.3	4.8	4.8
Fbxw5	11.6	11.0	9.8	11.1	11.3	12.1	10.7	11.6	12.1	11.9	10.7	9.5
Fbxw7	6.9	6.0	5.7	6.5	6.7	5.4	6.1	4.4	5.0	6.6	6.6	5.8
Fbxw8	24.3	23.2	19.0	22.0	20.9	21.5	21.5	21.6	23.5	22.5	21.5	21.3
Fbxw9	10.2	8.8	7.6	9.1	7.0	10.3	8.6	8.4	9.2	9.7	7.3	6.3
Fcer1g	8.0	0.1	0.3	87.5	127.5	0.1	18.1	1.5	1.8	9.7	2.2	6.0
Fcer2a	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1
Fcf1	40.2	39.2	35.0	50.2	33.0	36.5	38.3	39.2	32.1	36.0	42.2	39.7
Fcgbp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcgr1	0.1	0.0	0.0	0.6	0.8	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Fcgr2b	1.0	0.0	0.1	4.8	9.7	0.0	1.1	0.2	0.2	0.2	0.2	0.4
Fcgr3	3.2	0.2	0.5	23.9	27.4	0.0	1.5	1.1	0.4	1.1	1.1	1.4
Fcgr4	0.2	0.1	0.1	1.3	1.6	0.1	0.2	0.2	0.1	0.8	0.2	0.7
Fcgrt	68.5	67.4	71.2	71.4	57.6	91.6	68.4	74.7	74.5	71.3	59.9	75.7
Fcho1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcho2	2.4	3.4	3.7	2.9	3.3	3.3	3.7	3.8	3.2	3.7	4.1	5.2
Fchsd1	2.5	3.0	2.6	2.9	2.2	3.3	2.7	2.4	2.7	2.9	2.4	2.6
Fchsd2	9.3	10.8	12.7	8.9	8.4	9.4	9.7	11.9	9.7	8.8	9.0	10.0
Fcna	0.5	0.2	0.1	0.8	0.5	0.5	0.2	0.0	0.1	0.1	0.1	0.2
Fcrl1	0.0	0.0	0.0	0.3	0.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Fcr1s	1.6	0.0	0.0	15.4	28.8	0.0	2.1	0.0	0.1	1.2	0.5	0.9
Fdft1	19.0	21.9	20.8	9.1	14.6	12.2	33.3	39.8	29.0	13.1	34.6	15.9
Fdps	98.1	115.5	105.6	38.3	61.7	57.8	172.6	211.5	174.0	52.2	165.8	78.2
Fdx1	15.3	12.0	12.5	13.1	11.6	12.7	13.4	11.8	11.7	14.1	13.7	13.5
Fdx1l	25.5	20.3	16.6	29.0	21.8	31.3	22.7	19.7	19.8	21.5	21.4	20.3
Fdxacb1	2.1	2.1	1.7	2.6	1.6	1.7	1.5	1.7	2.2	1.9	1.4	1.8
Fdxr	8.3	12.2	13.6	6.8	8.9	7.4	7.5	17.1	15.0	12.9	8.6	13.3
Fech	32.3	33.0	30.0	36.7	26.3	36.0	29.3	31.6	25.8	32.3	33.4	29.9
Fem1a	4.9	4.9	4.2	4.8	5.1	5.1	4.3	4.5	4.8	4.8	4.6	4.3
Fem1b	9.9	12.4	11.7	10.6	12.3	10.4	10.2	12.0	11.6	12.9	12.5	11.7
Fem1c	4.2	4.1	4.2	3.6	4.8	3.7	3.9	4.1	4.5	5.2	4.5	4.5
Fen1	5.4	6.9	6.7	5.4	9.7	3.5	8.5	5.8	6.9	5.1	5.3	4.6

Online Table 1

Fendrr	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Fer1l4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fermt1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fermt2	45.7	50.7	48.1	47.5	47.7	40.6	55.6	43.5	55.7	53.2	61.9	57.6
Fermt3	1.5	0.2	0.2	9.0	16.4	0.1	2.4	0.2	0.4	0.9	0.5	0.9
Fert2	23.0	26.5	32.1	24.5	22.5	27.6	29.7	31.6	26.5	22.2	28.6	32.2
Fes	4.5	4.5	5.7	12.2	13.3	6.0	7.3	6.1	6.2	3.9	4.3	4.3
Fetub	1.3	1.7	1.4	1.3	1.6	2.2	1.3	1.0	0.3	0.7	0.8	0.4
Fez1	8.8	4.1	4.0	7.5	3.2	11.6	6.8	3.3	3.2	7.2	6.5	5.4
Fez2	49.3	31.3	24.2	63.3	30.4	60.1	36.9	23.4	28.9	41.6	39.3	34.3
Fgd1	1.5	2.1	2.2	1.2	1.7	1.8	2.0	2.6	2.5	2.0	1.8	1.6
Fgd2	0.1	0.0	0.0	0.6	1.3	0.0	0.1	0.0	0.0	0.2	0.0	0.1
Fgd3	58.9	41.5	17.9	79.7	48.7	83.9	31.9	15.6	18.8	15.9	26.9	14.2
Fgd4	4.8	3.9	3.6	6.2	3.8	4.9	3.1	3.5	2.6	3.5	3.3	3.7
Fgd5	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.0	0.0
Fgd6	0.5	0.7	0.6	0.7	1.2	0.5	0.9	0.7	0.7	1.2	1.1	0.9
Fgf1	0.2	0.2	0.1	0.7	0.3	0.3	0.3	0.2	0.1	0.4	0.3	0.2
Fgf10	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Fgf11	0.3	0.6	1.4	0.6	0.6	0.4	0.6	0.9	1.1	0.8	0.6	1.0
Fgf12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgf13	0.2	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.1	0.1	0.1	0.2
Fgf14	0.3	0.1	0.2	0.5	0.1	0.3	0.1	0.2	0.1	0.1	0.2	0.2
Fgf16	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Fgf17	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Fgf18	6.0	2.6	1.8	2.4	0.8	3.2	2.0	3.2	3.6	4.5	3.7	3.6
Fgf2	16.5	18.7	20.5	11.1	13.1	10.4	17.7	10.4	15.9	35.5	21.0	25.7
Fgf20	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgf21	0.2	0.2	0.1	0.6	0.0	0.6	0.0	0.1	0.2	0.4	0.1	0.4
Fgf23	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Fgf5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgf7	10.6	15.6	25.2	14.6	11.0	18.1	14.4	13.0	11.6	17.0	18.2	23.3
Fgf9	2.2	4.4	5.6	2.7	2.7	1.3	2.6	3.6	3.9	1.7	2.0	2.5
Fgfbp3	2.9	2.8	3.3	3.1	3.0	4.8	2.8	3.1	3.0	4.5	3.9	3.4
Fgfr1	25.1	26.5	26.1	27.9	26.9	31.5	31.5	32.4	25.9	23.4	21.7	24.5
Fgfr1op	5.4	5.2	5.7	4.2	4.5	4.8	4.6	4.1	4.1	4.5	4.4	4.6
Fgfr1op2	22.4	23.3	24.5	28.3	22.0	23.3	23.3	24.3	22.9	21.0	25.9	24.6
Fgfr2	7.1	7.4	9.6	3.3	3.8	3.6	6.2	7.9	7.2	13.2	10.4	13.7
Fgfr3	0.8	1.3	1.5	0.2	0.6	0.2	0.6	1.0	1.0	1.4	1.2	1.0
Fgfr4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgfrl1	24.1	23.2	26.3	20.7	19.6	20.9	29.1	30.4	34.6	22.6	28.9	26.2
Fggy	17.0	14.5	11.9	16.5	11.0	16.1	10.7	9.6	10.2	10.9	11.0	11.5
Fgl1	0.3	0.3	0.8	0.4	0.2	0.3	0.5	0.4	0.2	0.3	0.4	0.8
Fgl2	0.2	0.4	1.6	0.1	0.3	0.0	0.3	0.8	0.4	0.2	0.4	0.7
Fgr	0.1	0.0	0.0	0.3	1.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Fh1	32.3	30.2	25.6	27.4	26.6	25.1	25.1	24.9	24.5	27.2	28.4	26.7
Fhad1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Fhdc1	8.8	7.3	6.6	8.0	5.8	10.4	7.0	5.8	6.0	11.9	10.1	8.0
Fhit	1.8	1.6	1.4	0.7	0.9	1.3	0.4	1.3	0.6	1.2	0.7	1.1
Fhl1	92.3	84.9	55.8	84.2	53.9	82.1	58.5	35.3	48.2	61.7	86.4	59.5
Fhl2	130.1	133.6	86.8	210.7	129.9	193.0	157.2	103.2	170.1	81.1	112.0	114.2
Fhl3	2.6	3.4	2.1	4.9	8.5	3.1	5.7	3.4	4.1	4.3	5.1	2.7
Fhl4	0.6	1.0	1.2	0.4	0.9	0.6	0.6	0.6	0.7	0.8	0.7	0.5
Fhod1	1.7	2.0	1.4	1.5	2.0	1.7	2.1	1.7	2.4	2.4	1.4	1.5
Fhod3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Fibcd1	0.1	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Fibin	16.0	12.7	20.1	9.8	8.8	4.8	9.5	16.9	18.4	6.9	9.4	14.9
Fibp	16.5	16.6	17.4	16.5	15.0	16.1	17.3	18.9	19.3	15.9	14.2	16.5

Online Table 1

Ficd	7.3	6.9	6.5	7.6	5.8	8.2	7.2	5.3	7.0	5.7	7.0	6.4
Fig4	10.8	10.8	9.6	10.4	9.2	11.1	10.1	10.9	9.5	10.1	11.7	12.7
Figf	27.5	47.1	106.5	14.5	31.1	13.1	56.4	121.4	83.0	44.8	56.4	70.6
Figl	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Figl1	1.6	3.0	4.1	0.7	3.7	0.7	4.1	2.0	3.0	1.8	2.7	2.6
Figl2	0.9	1.1	1.1	0.9	0.7	0.8	1.0	1.0	0.8	1.0	0.8	0.7
Filip1	0.8	1.0	1.0	0.8	0.8	0.7	0.6	0.5	0.3	0.4	0.3	0.3
Filip1l	42.2	44.4	47.4	58.1	45.2	38.9	48.5	28.6	38.4	36.4	50.6	48.3
Fip1l1	15.0	15.3	18.4	19.2	13.2	18.2	18.2	14.8	11.2	14.9	17.4	17.2
Fis1	101.9	86.3	71.7	96.9	84.0	83.8	91.4	94.6	98.6	104.8	94.0	90.6
Fitm2	6.5	6.2	5.4	5.4	5.3	5.4	6.5	5.4	5.9	5.5	5.9	4.6
Fiz1	5.1	4.7	4.3	5.1	4.3	4.9	4.5	4.7	4.9	4.8	4.1	4.2
Fjx1	1.0	0.7	0.6	1.1	0.9	0.7	1.0	1.1	1.2	1.7	1.1	1.0
Fkbp10	88.9	71.3	67.5	78.5	72.6	70.4	85.2	81.7	82.3	75.9	83.1	72.2
Fkbp11	35.7	23.3	21.8	37.7	24.9	40.4	33.6	20.7	23.0	31.2	28.3	26.7
Fkbp14	33.7	30.6	30.0	36.7	31.8	30.3	40.1	31.2	35.8	36.2	37.4	39.3
Fkbp15	12.6	13.1	14.2	13.9	14.5	12.6	14.3	14.6	13.7	12.6	13.8	15.1
Fkbp1a	34.6	27.2	27.7	41.5	31.5	35.1	36.5	33.7	30.9	40.2	38.3	35.9
Fkbp1b	1.1	0.7	1.9	0.9	1.8	0.7	1.1	1.8	1.0	0.9	1.0	1.4
Fkbp2	18.9	19.4	20.6	35.0	17.1	24.2	27.1	28.4	25.7	21.5	26.4	29.9
Fkbp3	99.9	84.2	84.4	99.8	71.1	114.7	76.5	72.7	68.0	81.2	91.7	89.2
Fkbp4	30.2	30.6	29.8	32.4	28.9	32.8	30.5	27.3	29.0	35.4	33.3	28.0
Fkbp5	1.8	2.6	3.9	1.9	4.1	1.8	3.6	4.2	3.0	3.1	3.6	3.3
Fkbp6	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.1	0.0
Fkbp7	63.9	58.2	66.5	77.5	54.1	64.2	59.4	67.4	59.8	72.4	70.7	77.1
Fkbp8	71.0	67.0	57.3	72.4	65.0	68.3	68.6	70.3	71.9	76.8	69.5	61.4
Fkbp9	176.3	155.9	159.1	148.8	140.9	156.3	140.9	137.9	133.1	153.2	143.8	155.0
Fkbp1	6.0	5.2	6.0	6.4	5.6	5.7	5.7	5.0	4.0	5.6	6.1	6.1
Fkrp	9.5	8.6	8.1	9.0	9.6	8.5	11.7	10.4	10.9	9.2	8.9	9.1
Fktn	8.5	8.3	7.5	7.5	7.4	7.4	8.0	6.5	7.9	6.3	7.8	8.2
Flad1	6.5	6.0	4.9	6.5	5.5	6.2	5.3	5.3	5.8	5.3	4.6	5.2
Flcn	8.8	7.9	7.7	8.8	8.4	10.3	6.2	7.9	8.5	10.2	7.0	8.1
Fli1	3.6	3.8	5.2	6.3	7.6	3.6	5.0	5.0	3.9	3.6	4.8	5.1
Flii	52.0	46.0	45.6	61.3	51.9	51.7	55.0	49.1	48.5	44.2	51.7	51.7
Flna	211.5	173.8	146.2	221.8	242.9	190.7	270.1	215.5	258.5	234.4	283.9	215.2
Flnb	89.9	64.8	51.5	87.3	75.8	84.0	96.0	64.6	65.1	72.4	86.0	63.6
Flnc	27.5	25.5	20.1	21.4	19.2	23.8	27.3	23.2	25.4	38.9	28.0	21.3
Flot1	60.6	77.3	95.0	48.8	58.0	64.4	84.4	100.3	95.9	65.7	82.5	77.0
Flot2	26.5	23.4	24.4	32.6	23.4	32.4	27.6	23.4	23.3	21.0	25.2	22.7
Flrt1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Flrt2	3.8	2.5	2.9	2.3	2.8	2.5	4.9	9.4	6.0	14.0	10.9	7.2
Flrt3	1.3	0.5	0.6	1.7	1.0	0.7	0.7	0.4	0.3	1.1	1.3	0.5
Flt1	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	1.9	2.0	1.0
Flt3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flt3l	1.7	2.4	3.2	2.3	1.3	2.1	1.6	1.8	1.7	1.6	1.9	2.1
Flt4	0.7	0.2	0.3	1.0	0.6	0.8	0.8	0.5	0.5	1.7	0.8	0.9
Flywch1	16.6	17.0	15.0	20.7	14.7	20.7	15.4	14.2	14.3	14.7	15.2	13.9
Flywch2	0.4	0.5	0.3	0.1	0.3	0.1	0.3	0.3	0.2	1.0	0.3	0.3
Fmn1	7.1	6.4	5.0	8.5	6.1	7.8	7.6	4.9	6.5	5.4	7.2	6.5
Fmn2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Fmnl1	0.6	0.5	0.5	1.8	4.3	0.1	0.9	0.7	0.3	0.5	0.3	0.2
Fmnl2	0.8	1.2	1.7	1.1	2.0	0.8	1.1	1.7	1.2	1.9	1.2	1.6
Fmnl3	4.9	6.5	6.1	6.1	9.2	5.0	9.5	8.6	9.7	6.7	5.6	7.7
Fmo1	1.3	2.8	12.6	1.1	4.2	0.9	3.1	15.0	4.8	1.5	1.5	7.3
Fmo2	3.3	8.8	16.0	1.5	4.2	1.0	2.9	6.5	4.5	3.9	3.0	10.9
Fmo3	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.3
Fmo4	0.1	0.1	0.3	0.0	0.1	0.2	0.1	0.4	0.1	0.1	0.1	0.1

Online Table 1

Fmo5	1.6	1.9	2.0	1.8	1.1	2.4	1.6	1.6	1.4	1.0	1.2	1.4
Fmod	37.1	35.5	61.6	12.4	22.1	18.9	50.1	35.5	34.2	30.8	41.5	53.4
Fmr1	9.7	14.3	20.3	10.2	12.5	10.1	15.5	16.5	18.5	23.6	21.3	26.9
Fmr1nb	2.8	1.7	2.0	1.6	1.7	1.4	2.7	0.7	1.1	1.3	0.6	1.0
Fn1	475.3	550.1	692.1	453.5	812.9	555.7	790.1	819.5	799.9	858.6	686.5	741.0
Fn3k	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Fn3krp	7.5	8.7	7.8	9.6	5.7	8.8	7.1	7.2	7.4	6.6	7.0	6.5
Fnbp1	11.7	14.0	16.1	16.3	18.3	15.6	14.1	11.2	10.4	11.3	10.5	12.5
Fnbp1l	0.4	0.6	1.1	0.8	1.8	0.5	1.4	1.6	1.6	2.0	1.5	1.6
Fnbp4	4.2	4.4	4.7	4.4	4.4	4.1	4.9	4.7	4.6	5.3	4.6	4.8
Fndc1	4.3	12.4	26.1	4.9	20.6	4.0	23.0	33.2	26.7	10.4	10.8	12.6
Fndc3a	19.5	26.5	27.6	22.8	20.1	26.8	22.3	21.1	21.2	18.4	20.1	26.1
Fndc3b	38.1	45.7	46.6	40.9	46.2	38.1	52.3	50.5	55.1	40.5	50.5	50.2
Fndc4	0.6	0.7	1.4	0.4	0.4	1.0	1.6	1.2	1.2	1.2	1.2	1.1
Fndc5	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.5	0.4	0.5	0.3	0.3
Fndc7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Fndc8	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1
Fndc9	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Fnip1	10.6	11.9	11.8	11.1	10.4	12.5	9.5	9.4	9.4	10.7	11.1	13.2
Fnip2	4.6	4.5	4.1	7.4	7.6	5.3	4.4	3.0	3.4	3.2	3.4	3.9
Fnta	50.0	43.9	45.0	40.4	39.4	40.8	42.4	41.9	44.1	51.6	47.7	51.2
Fntb	3.7	3.3	3.0	3.5	2.8	3.4	3.6	3.1	3.3	2.8	3.1	2.6
Focad	6.9	6.0	5.3	5.6	5.1	5.6	4.4	4.9	4.7	5.3	5.2	5.2
Folh1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Folr1	3.7	3.4	2.2	4.4	2.7	4.4	3.0	1.5	2.8	9.9	5.5	4.6
Folr2	1.2	0.4	0.1	5.5	3.9	1.2	0.5	0.7	0.4	0.9	1.0	0.5
Fopnl	26.4	25.1	21.4	26.0	23.7	25.8	24.8	24.1	26.5	27.6	28.0	24.1
Fos	4.9	6.0	4.0	2.7	4.9	1.6	3.3	3.4	3.7	21.4	5.8	4.1
Fosb	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.7	0.1	0.2
Fosl1	0.4	0.3	0.2	0.5	0.9	0.5	0.8	0.2	0.2	0.6	0.4	0.3
Fosl2	25.4	33.4	33.3	22.1	23.4	27.1	25.3	28.0	26.9	25.0	23.7	25.2
Foxa2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.1
Foxc1	2.2	2.6	3.7	2.2	1.9	1.7	2.4	2.1	2.6	2.9	2.6	2.8
Foxc2	2.0	1.8	1.6	1.7	2.1	1.4	3.1	1.8	1.9	2.9	2.8	2.8
Foxd1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Foxd2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.3	0.4	0.1	0.2
Foxe1	0.0	0.0	0.4	0.0	0.3	0.2	0.2	0.4	0.0	0.0	0.0	0.4
Foxf1	2.0	1.2	1.0	2.8	2.5	2.1	1.8	1.3	1.8	1.5	1.9	1.7
Foxf2	1.3	1.4	0.8	2.5	1.8	1.4	1.7	1.2	1.2	0.9	0.7	0.5
Foxg1	0.1	0.2	0.6	0.8	0.6	0.7	0.5	0.7	0.4	0.4	0.4	0.3
Foxj1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Foxj2	2.3	3.4	3.8	3.7	3.0	3.0	3.2	3.5	3.3	2.5	2.7	2.6
Foxj3	6.6	6.6	7.1	7.2	5.9	7.0	6.8	6.6	6.0	5.7	7.0	6.6
Foxk1	1.3	1.7	1.6	1.6	1.7	1.3	2.0	1.6	1.6	1.6	1.9	1.5
Foxk2	12.2	14.8	13.7	10.1	12.2	12.9	15.7	15.0	13.9	12.0	14.9	11.7
Foxl1	0.1	0.1	0.0	0.1	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.1
Foxl2	0.1	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0
Foxl2os	0.2	0.1	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Foxm1	0.8	1.4	2.1	0.4	1.9	0.5	3.2	1.0	2.1	0.9	1.4	1.2
Foxn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxn2	4.7	5.1	4.8	5.5	5.7	3.6	4.3	5.0	4.5	4.6	5.8	5.1
Foxn3	13.3	14.2	16.4	11.7	11.1	11.8	12.9	18.4	14.0	11.4	14.1	13.5
Foxo1	1.8	1.9	2.4	1.6	1.5	1.6	1.5	1.8	1.3	1.2	1.1	1.6
Foxo3	9.5	11.4	11.7	8.9	9.9	10.1	10.6	10.6	9.7	11.3	9.7	9.3
Foxo4	6.2	6.1	5.2	5.5	5.2	7.2	4.3	5.2	5.3	6.5	5.7	5.1
Foxo6	0.2	0.1	0.0	0.1	0.0	0.1	0.0	0.2	0.1	0.6	0.3	0.1
Foxp1	5.6	6.7	7.3	6.4	7.1	5.6	8.8	8.5	8.2	8.8	9.3	9.2

Online Table 1

Foxp2	3.0	4.5	5.6	3.2	2.8	2.4	3.3	5.4	4.6	2.2	2.8	4.4
Foxp3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Foxp4	2.0	2.2	2.2	2.1	2.5	1.8	2.9	3.0	2.7	2.5	2.3	2.1
Foxq1	0.0	0.0	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Foxred1	8.3	8.6	7.6	6.8	6.1	7.8	7.5	7.3	7.3	5.5	6.9	6.0
Foxred2	0.4	0.4	0.4	0.6	0.6	0.8	0.5	0.4	0.5	0.8	0.4	0.5
Foxs1	3.3	3.6	5.4	2.9	7.1	2.6	7.8	5.2	8.1	12.9	6.9	7.7
Fpgs	6.0	5.7	4.9	6.7	6.5	5.9	8.9	8.8	8.8	7.9	6.9	6.8
Fpgt	7.1	7.5	7.6	8.0	8.1	7.8	7.7	6.4	7.9	8.0	8.0	8.0
Fpr1	1.3	0.0	0.0	4.4	13.6	0.0	2.6	0.4	0.5	0.8	0.4	1.2
Fpr2	0.3	0.0	0.1	1.1	4.1	0.0	0.7	0.1	0.3	0.1	0.0	0.8
Fra10ac1	8.4	7.8	9.0	9.1	6.5	9.5	7.6	6.4	6.6	7.5	8.4	8.5
Fras1	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	1.0	0.7	0.4
Frat1	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1
Frat2	0.3	0.3	0.4	0.1	0.3	0.1	0.2	0.4	0.4	0.6	0.3	0.2
Frem1	0.4	0.7	0.7	0.5	0.8	0.8	0.5	0.4	0.3	0.5	0.5	0.3
Frem2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Frem3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Frg1	26.4	27.6	28.4	30.4	25.5	28.8	29.3	28.5	23.8	25.6	33.6	33.5
Frk	4.1	3.6	3.6	5.3	4.0	4.4	4.1	3.2	3.8	6.2	5.3	5.0
Frmd3	1.7	1.8	0.9	1.4	0.7	0.7	0.9	0.9	0.5	0.7	0.8	1.2
Frmd4a	10.6	13.3	11.8	12.6	11.7	11.6	17.3	11.1	14.0	11.0	12.9	13.2
Frmd4b	2.4	1.9	1.6	2.7	2.5	1.5	0.8	1.6	0.8	7.1	3.4	2.1
Frmd5	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0
Frmd6	19.6	23.8	22.6	21.8	24.8	26.6	29.6	20.5	26.0	28.9	26.2	24.6
Frmd7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.5	0.2
Frmd8	12.5	13.7	10.6	10.8	13.9	11.6	12.2	10.8	13.2	14.5	12.3	9.8
Frmpd1	1.1	0.2	0.1	0.7	0.2	0.4	0.5	0.2	0.3	0.7	0.8	0.6
Frmpd4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Frrs1	9.3	6.7	6.7	9.1	10.3	6.6	6.7	6.2	6.8	7.8	8.1	7.9
Frrs1l	0.1	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.0
Frs2	4.5	6.1	7.2	4.3	5.6	4.6	6.6	6.1	6.8	6.7	7.0	7.7
Frs3	1.1	1.5	0.9	0.6	0.7	1.7	1.4	0.8	1.3	0.9	0.9	0.9
Fry	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1
Fryl	3.8	4.9	4.8	3.0	4.3	3.1	4.6	3.4	4.1	4.1	3.7	3.6
Frzb	70.7	74.1	84.8	78.4	106.4	86.1	73.3	54.8	66.0	64.6	64.2	67.9
Fsbp	0.3	0.8	1.0	0.4	0.5	0.7	0.6	0.7	0.4	0.5	0.5	0.4
Fscn1	38.7	41.4	42.3	43.1	48.4	36.9	53.1	39.7	56.2	60.3	54.0	34.2
Fscn2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
Fsd1	1.4	1.9	1.7	1.1	0.7	1.7	1.7	1.7	1.0	1.1	1.4	1.1
Fsd1l	0.9	1.3	1.1	1.7	0.9	1.3	1.0	0.8	0.9	0.8	1.2	0.8
Fsd2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.1	0.1	0.1
Fsip1	0.3	0.2	0.1	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.1	0.1
Fst	21.2	19.9	28.9	10.4	18.0	13.7	19.7	15.0	21.2	65.5	43.8	47.9
Fstl1	497.3	523.2	639.5	435.8	604.7	467.8	710.7	868.7	792.9	531.7	660.1	682.0
Fstl3	9.9	7.1	4.2	10.5	7.7	10.3	10.5	6.3	8.3	7.2	8.1	7.1
Fstl4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Fstl5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Fth1	1653.0	1693.9	1925.0	3377.4	4068.0	2505.3	1212.7	1384.7	697.6	1494.1	1203.7	1338.2
Ftl1	6728.5	5479.7	2871.3	9390.9	6918.7	10883.5	3034.4	2878.7	2423.1	4218.3	3402.5	3164.2
Fto	15.7	16.6	16.1	16.0	14.3	16.8	14.6	15.7	14.1	15.5	14.5	14.1
Ftsj1	3.7	3.2	2.5	2.9	2.9	2.5	3.0	2.9	2.8	2.9	3.2	2.4
Ftsj2	3.4	3.3	3.1	3.7	3.7	3.6	2.4	2.8	2.1	3.5	3.6	2.7
Ftsj3	33.0	28.1	25.9	34.4	25.5	27.5	30.1	24.1	21.1	25.9	31.2	27.5
Ftsjd1	2.3	1.8	1.5	2.8	2.3	2.6	2.0	1.6	1.9	2.4	1.8	1.6
Ftsjd2	25.7	23.4	20.8	27.7	22.1	26.3	21.2	19.1	20.9	19.7	19.1	23.4
Ftx	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.6	0.6	0.4

Online Table 1

Fubp1	12.8	12.4	13.2	16.1	13.8	14.3	14.1	12.3	11.6	11.4	15.1	13.6
Fubp3	11.3	10.9	12.2	12.8	11.3	12.3	13.0	12.2	10.5	11.7	13.8	13.3
Fuca1	50.1	36.9	35.5	54.8	47.5	53.0	34.4	28.1	27.4	40.1	31.5	39.6
Fuca2	14.7	10.9	9.8	16.2	12.3	13.9	8.3	7.7	7.2	9.7	9.6	13.0
Fuk	3.1	2.9	2.5	2.5	2.3	3.3	2.1	2.2	2.6	2.6	2.5	1.8
Fundc1	15.1	13.6	13.9	15.8	14.8	14.6	13.9	14.4	12.4	13.7	17.0	14.5
Fundc2	14.9	11.4	10.5	15.3	12.4	14.1	9.8	9.7	10.0	12.9	12.5	11.8
Fuom	6.9	7.0	7.1	8.1	5.6	6.4	6.0	6.3	6.1	7.2	6.4	7.1
Furin	10.8	13.7	14.6	13.3	18.3	11.3	16.8	16.2	17.6	14.5	12.9	12.6
Fus	2.7	5.4	6.9	4.1	5.5	3.5	6.9	6.4	6.5	6.4	6.5	5.6
Fut10	7.9	7.4	7.7	7.3	6.8	9.0	7.2	6.0	6.6	6.5	6.8	6.6
Fut11	2.7	4.1	6.2	2.2	3.8	3.5	4.0	6.9	6.5	4.8	3.6	5.1
Fut4	0.5	0.7	0.6	0.6	1.0	0.9	0.8	0.7	0.8	0.8	0.6	0.7
Fut7	0.0	0.0	0.1	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Fut8	12.3	14.2	16.4	12.2	11.8	10.8	13.2	12.9	11.3	13.4	12.9	13.4
Fuz	4.1	5.9	5.8	4.4	4.0	5.6	3.9	3.5	4.0	5.2	4.1	4.9
Fv1	2.1	2.1	2.7	2.3	2.4	3.3	2.5	2.0	1.8	2.8	2.3	3.2
Fxn	1.9	1.9	1.4	1.5	1.8	1.2	2.1	1.7	2.4	1.6	2.6	2.0
Fxr1	69.8	68.9	60.3	66.3	56.6	62.0	57.8	55.2	57.8	68.4	73.6	70.8
Fxr2	29.8	29.7	25.2	31.4	25.0	31.4	29.3	24.6	28.0	28.4	31.5	30.1
Fxyd1	5.8	16.8	32.8	4.5	6.2	4.1	4.8	15.7	6.9	4.0	4.1	6.2
Fxyd2	0.2	0.4	0.8	0.9	0.7	0.3	0.2	0.2	0.4	0.4	0.8	0.4
Fxyd3	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.6	0.1	0.1	0.0	0.2
Fxyd5	29.0	13.4	16.3	85.6	70.2	29.8	29.8	11.2	7.9	14.5	15.1	15.7
Fxyd6	4.0	5.4	12.3	2.8	5.6	2.5	4.4	23.4	10.3	9.7	6.7	10.8
Fxyd7	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Fyb	1.4	0.0	0.3	13.5	22.9	0.2	3.1	0.3	0.5	1.6	0.5	1.4
Fyco1	7.1	7.6	7.5	8.0	6.7	9.5	7.1	7.2	5.8	6.1	5.7	6.7
Fyn	15.8	13.6	12.2	17.8	14.1	18.0	18.2	14.5	14.0	11.8	16.4	11.9
Fytd1	15.1	15.4	14.9	13.2	14.1	14.9	13.6	14.5	14.9	16.8	15.7	16.2
Fzd1	6.0	8.7	14.3	5.2	7.8	4.8	10.5	14.1	14.5	22.1	13.0	15.8
Fzd10	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0
Fzd2	19.2	22.1	20.3	15.7	16.0	16.7	20.7	28.8	27.9	15.0	15.8	18.1
Fzd3	0.8	0.8	0.7	0.7	0.7	0.8	0.7	0.8	0.7	1.4	1.2	1.0
Fzd4	4.8	10.9	15.9	2.8	5.9	3.1	7.7	12.3	9.3	5.3	6.2	6.1
Fzd5	7.1	8.1	11.8	6.1	9.0	5.4	14.3	13.3	18.2	6.6	10.8	11.3
Fzd6	4.2	1.7	1.7	2.3	1.3	1.9	1.3	1.9	2.0	4.2	3.4	3.8
Fzd7	7.9	10.0	11.0	7.4	8.2	7.5	10.2	10.6	11.0	11.7	10.7	10.9
Fzd8	7.4	8.9	11.6	6.9	7.2	6.3	11.3	14.7	17.1	8.1	8.3	9.2
Fzd9	0.2	0.1	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
Fzr1	3.7	4.5	5.3	4.6	6.1	4.0	5.9	5.3	6.2	5.4	4.0	5.1
G0s2	43.4	79.3	96.7	43.9	42.9	92.7	44.7	83.5	69.9	23.0	28.8	43.7
G2e3	0.8	1.4	2.0	0.8	1.8	0.8	2.2	1.5	2.1	2.0	2.0	2.0
G3bp1	46.7	45.7	43.0	46.3	51.3	45.6	52.2	46.1	45.7	50.2	54.0	46.7
G3bp2	33.3	32.3	32.7	39.9	34.0	34.3	31.5	29.0	28.5	37.3	36.6	37.5
G530011O06Rik	1.2	2.6	2.8	1.9	3.7	1.8	1.6	1.5	1.8	1.7	1.6	1.2
G630025P09Rik	0.4	0.8	0.7	0.4	0.5	0.5	0.5	0.9	0.6	0.4	0.4	0.8
G630071F17Rik	0.3	0.4	0.2	0.4	0.5	0.3	0.5	0.6	0.6	0.3	0.5	0.7
G630090E17Rik	1.2	1.5	1.5	1.3	1.5	1.2	1.0	1.5	1.2	1.3	1.5	1.2
G6pc3	14.5	13.3	10.8	15.3	12.6	19.2	13.5	12.9	12.4	12.8	10.4	10.6
G6pd2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
G6pdx	30.6	34.6	32.2	29.3	41.2	22.7	25.4	47.2	23.4	25.7	30.2	24.8
G730013B05Rik	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0
Gaa	50.4	48.2	53.6	52.0	47.8	56.5	39.9	48.2	41.4	49.7	39.5	42.7
Gab1	7.8	10.7	14.1	6.2	6.7	6.5	8.5	11.8	11.3	8.0	8.8	9.9
Gab2	8.7	9.6	10.1	9.6	9.7	6.5	10.0	9.7	8.7	7.3	9.2	11.1
Gab3	0.2	0.3	0.2	0.4	0.5	0.1	0.3	0.2	0.3	0.2	0.3	0.2

Online Table 1

Gabarap	277.7	220.4	210.3	286.5	225.2	276.2	234.6	266.6	220.9	243.8	269.5	260.1
Gabarap1	110.1	80.4	73.1	133.8	80.2	129.0	84.5	69.3	79.3	131.0	98.9	106.3
Gabarap2	78.8	68.3	54.9	74.9	65.4	71.7	56.7	55.5	68.4	74.0	70.4	69.7
Gabbr1	1.8	1.8	1.8	1.7	1.4	1.7	1.8	1.8	2.1	1.5	1.7	1.9
Gabbr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabpa	11.5	10.5	12.3	12.0	11.8	11.7	12.7	12.4	11.0	14.1	14.5	16.3
Gabpb1	6.8	7.2	7.2	6.2	6.6	7.3	6.9	7.4	7.1	6.9	7.1	7.1
Gabpb2	3.4	4.1	4.6	3.2	4.1	3.1	4.2	4.7	4.0	3.9	4.3	4.8
Gabra1	0.3	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.1
Gabra3	0.5	0.7	0.6	0.2	0.3	0.1	0.4	0.4	1.0	0.9	0.6	1.3
Gabra4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.7	1.0	0.4
Gabrb1	1.1	0.4	0.1	0.5	0.2	0.2	0.2	0.2	0.4	3.9	2.2	1.1
Gabrb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabrb3	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.1
Gabrd	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Gabre	0.1	0.2	0.2	0.0	0.1	0.0	0.2	0.1	0.2	0.2	0.1	0.1
Gabrp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabrr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Gadd45a	20.4	11.4	11.9	23.1	15.4	31.1	13.1	10.8	8.8	15.4	15.0	13.2
Gadd45b	26.0	22.1	21.2	29.1	26.3	22.7	30.2	34.8	30.1	19.3	23.2	17.9
Gadd45g	103.0	100.7	104.4	136.6	90.5	71.2	128.8	87.2	142.3	91.9	103.2	131.8
Gadd45gjp1	12.4	10.0	9.8	11.9	9.1	12.4	12.7	12.0	10.8	12.6	11.6	9.9
Gadl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gak	22.8	21.1	19.0	26.1	23.6	23.5	23.7	21.2	21.3	19.0	20.8	20.9
Gal	0.4	0.4	0.6	0.1	0.6	0.7	0.3	0.1	0.0	0.1	0.1	0.1
Gal3st1	1.1	0.8	0.8	1.1	0.6	1.3	0.7	1.3	1.2	0.6	0.9	0.6
Gal3st2	13.4	10.1	10.0	11.1	12.0	3.7	16.1	9.9	11.1	8.1	11.2	8.4
Gal3st3	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Gal3st4	0.7	0.9	1.2	1.0	1.0	1.2	1.2	1.3	1.1	1.2	0.7	0.9
Galc	2.4	2.2	2.3	4.0	3.6	3.2	2.7	2.0	2.3	2.6	2.5	2.7
Gale	5.4	5.2	3.4	3.9	4.2	3.4	5.9	6.2	5.0	4.8	5.1	3.2
Galk1	16.9	17.4	13.6	12.7	15.0	15.9	18.6	19.4	18.8	17.1	15.2	15.4
Galk2	23.4	25.3	23.2	24.4	22.1	29.4	22.0	21.3	20.2	17.1	18.7	20.1
Galm	14.0	11.7	9.0	15.8	9.1	16.0	8.1	6.1	7.2	8.3	8.7	8.9
Galns	8.2	7.3	7.8	10.7	10.0	9.9	9.2	6.9	7.3	7.5	8.2	8.1
Galnt1	36.8	31.6	32.0	39.3	36.6	37.1	36.0	31.4	34.0	36.5	39.0	40.5
Galnt10	19.0	16.1	16.8	26.7	23.6	30.4	27.2	22.9	24.1	20.7	20.8	22.0
Galnt11	15.1	15.9	13.6	13.6	13.6	13.7	14.9	12.7	13.7	14.6	13.8	15.9
Galnt12	1.1	1.1	1.9	1.5	2.1	0.5	1.0	1.2	1.1	1.0	0.9	1.1
Galnt14	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Galnt15	0.1	0.1	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.0
Galnt16	1.2	1.1	1.9	1.4	0.9	1.8	1.2	2.6	2.1	0.9	1.3	1.5
Galnt18	6.2	2.9	2.3	7.0	5.0	6.0	6.1	4.8	4.9	8.3	11.2	4.0
Galnt2	41.2	38.7	36.8	37.9	37.8	44.0	44.6	46.7	44.9	41.3	41.4	46.9
Galnt3	0.1	0.0	0.0	0.2	0.9	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Galnt4	6.6	6.4	8.6	5.1	5.7	5.7	6.8	10.3	7.7	8.3	8.8	9.2
Galnt5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Galnt6	0.1	0.0	0.0	1.3	1.4	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Galnt7	5.6	6.7	6.3	7.1	6.8	5.7	5.4	5.1	4.1	4.3	5.0	5.6
Galnt9	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Galr2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.3	0.1
Galt	4.2	4.3	5.1	4.6	4.2	4.3	5.1	6.3	4.7	3.6	4.7	4.7
Gamt	6.8	7.7	5.1	8.9	6.2	7.4	5.0	8.3	8.3	5.7	5.3	5.5
Gan	3.2	3.1	3.4	3.8	3.7	3.2	4.1	3.1	3.4	2.6	3.0	3.3
Ganab	62.5	62.8	57.2	59.4	59.0	65.3	58.0	63.9	60.6	61.3	57.1	56.6
Ganc	4.6	4.8	5.0	4.4	3.7	4.3	4.1	4.5	3.7	4.5	4.6	4.6
Gap43	0.1	0.0	0.2	0.1	0.2	0.0	0.2	0.2	0.1	0.3	0.2	0.2

Online Table 1

Gapdh	231.0	192.0	186.8	328.8	246.0	249.6	250.8	229.3	174.9	200.4	238.4	213.9
Gapdhs	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Gapvd1	11.9	11.2	10.1	11.1	12.4	11.0	11.1	10.9	11.3	10.9	11.8	10.9
Gar1	2.2	2.1	3.3	4.3	4.0	4.1	3.7	3.0	3.8	4.2	4.8	4.2
Garem	1.0	0.8	0.8	0.6	0.4	0.8	0.5	0.6	0.5	1.0	0.8	0.5
Gareml	4.8	9.2	8.9	4.5	9.4	4.4	10.1	10.4	12.2	7.8	5.6	8.0
Garnl3	4.0	4.0	3.5	3.5	3.9	3.4	4.0	4.4	3.5	3.3	3.7	3.4
Gars	129.3	97.3	78.6	105.3	92.4	99.7	100.8	118.7	103.2	82.5	117.9	86.9
Gart	15.8	13.4	11.8	14.0	15.7	15.3	13.6	14.1	12.4	14.3	15.1	11.9
Gas1	2.2	2.3	9.0	0.7	0.9	0.4	1.8	6.6	4.6	12.3	3.8	6.0
Gas2	1.0	0.9	1.4	0.8	1.0	1.2	1.0	1.9	1.4	1.0	1.5	1.0
Gas2l1	18.4	16.3	11.4	17.9	15.9	17.1	20.0	15.1	18.6	16.2	15.9	14.4
Gas2l3	0.7	1.0	1.7	0.9	2.2	0.6	2.0	0.7	1.6	0.8	1.3	0.9
Gas5	28.8	25.6	25.2	22.5	26.9	24.1	22.6	29.4	32.1	31.8	32.1	32.5
Gas6	303.8	361.2	551.0	311.6	366.1	287.1	335.3	424.0	387.0	450.4	435.4	665.1
Gas7	4.0	5.6	8.8	3.4	7.7	3.7	5.5	15.1	4.3	3.1	3.9	3.5
Gas8	10.1	7.7	10.9	13.5	8.0	11.9	12.2	9.9	8.8	10.2	12.2	12.1
Gata2	1.4	1.1	0.7	2.2	1.1	1.8	1.2	0.5	0.9	0.9	0.8	0.8
Gata3	0.4	0.6	0.3	0.5	0.4	0.3	0.5	0.4	0.5	0.4	0.3	0.4
Gata4	20.1	23.5	19.9	20.7	14.4	20.8	16.0	16.0	16.5	12.4	13.2	17.1
Gata5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	0.6	0.2
Gata6	6.4	6.3	6.4	5.2	3.9	4.9	5.2	6.4	5.7	14.0	7.8	7.5
Gatad1	48.2	41.5	36.1	45.3	37.5	44.4	40.3	33.5	37.7	40.3	42.3	41.7
Gatad2a	13.1	12.7	12.1	15.5	13.8	14.2	15.9	14.7	13.4	11.9	14.4	12.2
Gatad2b	2.4	2.9	4.4	2.9	2.9	3.1	2.9	3.9	3.2	2.9	3.3	2.9
Gatc	5.2	6.4	6.0	7.2	6.3	7.9	6.0	6.7	5.6	4.8	5.9	5.2
Gatm	0.3	0.1	0.2	0.4	0.9	0.3	0.5	0.5	1.0	4.5	1.9	1.3
Gatsl2	2.5	3.7	4.7	3.0	3.3	3.2	3.1	3.9	3.5	3.0	3.1	3.2
Gatsl3	17.0	15.5	15.4	14.6	14.9	16.9	17.1	17.1	17.9	14.1	12.3	14.0
Gba	78.2	58.1	59.3	79.1	69.0	75.6	54.9	57.5	51.0	56.5	52.3	69.3
Gba2	2.0	2.4	2.4	1.9	2.6	2.2	2.3	2.6	2.9	2.9	2.5	2.7
Gbas	16.6	15.4	15.6	17.4	14.4	15.9	14.4	17.9	14.8	13.7	15.9	17.8
Gbe1	18.9	15.0	8.6	29.6	17.3	35.3	6.7	7.2	4.9	7.2	6.7	6.3
Gbf1	12.2	14.0	14.7	10.9	13.0	11.1	13.9	14.4	13.2	11.4	12.3	12.1
Gbgt1	1.2	1.0	0.9	0.7	0.5	0.8	0.4	0.4	0.2	0.8	0.6	0.7
Gbp1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gbp10	1.5	1.2	2.4	3.1	1.9	1.5	0.9	1.0	0.6	0.8	0.8	1.4
Gbp11	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Gbp2	13.9	8.1	12.3	20.9	14.4	8.7	12.7	13.4	11.3	9.5	11.5	17.3
Gbp3	10.2	5.4	9.1	19.6	8.5	7.8	5.0	3.1	4.1	2.9	2.8	9.5
Gbp4	0.3	0.2	0.1	0.7	0.4	0.2	0.1	0.0	0.0	0.1	0.0	0.1
Gbp5	1.1	0.6	1.9	1.7	1.9	0.9	1.1	0.9	0.7	0.4	0.5	1.6
Gbp6	3.5	2.0	4.3	5.3	3.4	2.7	1.7	1.9	1.2	1.4	1.2	3.0
Gbp7	2.3	2.3	3.7	3.3	2.5	2.4	2.3	2.1	2.2	1.7	2.1	3.9
Gbp8	0.5	0.6	0.3	0.6	0.5	0.4	0.2	0.1	0.0	0.1	0.2	0.2
Gbp9	2.1	1.5	2.4	4.9	2.3	2.6	1.3	1.0	1.0	0.7	0.9	1.5
Gbx1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0
Gbx2	0.1	0.6	1.7	0.1	1.4	0.0	1.9	2.4	3.0	1.6	1.2	1.8
Gca	2.6	2.7	2.4	3.1	2.2	3.2	2.4	1.9	2.2	1.7	2.1	2.0
Gcat	2.1	2.5	2.4	1.4	1.8	2.4	3.1	3.4	3.0	1.5	2.2	1.5
Gcc1	9.6	9.1	8.0	10.8	7.6	10.0	8.4	9.2	9.6	8.0	9.0	8.3
Gcc2	10.1	12.0	12.3	10.3	9.2	10.6	8.7	9.5	8.7	9.1	10.9	10.6
Gcdh	9.7	9.8	10.6	7.9	8.2	9.3	6.9	8.5	8.5	9.8	8.8	9.1
Gcfc2	1.8	1.9	1.9	2.0	1.8	2.1	1.8	1.8	1.5	1.8	2.0	2.0
Gcgr	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gch1	3.3	2.1	1.8	3.2	4.3	1.9	2.4	1.1	1.2	3.3	1.9	1.5
Gchfr	0.6	0.3	0.4	0.1	0.2	0.5	0.0	0.1	0.2	0.1	0.1	0.2

Online Table 1

Gck	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1
Gckr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gclc	19.7	14.5	11.9	25.1	18.0	23.8	12.3	9.9	7.6	13.6	13.4	10.6
Gclm	70.7	61.0	31.8	131.1	73.6	118.1	37.0	32.9	21.3	36.4	35.2	28.0
Gcm1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.0
Gcn1l1	14.8	16.1	14.4	14.1	15.2	15.8	14.9	15.3	15.4	14.4	12.5	12.3
Gcnt1	1.0	0.4	0.4	3.5	6.2	0.5	0.7	0.7	0.7	3.6	1.5	1.6
Gcnt2	7.3	7.3	6.2	7.8	8.4	5.1	5.9	5.0	5.8	10.0	8.0	6.6
Gcnt4	0.1	0.3	1.0	0.1	0.5	0.2	0.6	1.3	1.4	1.1	1.0	1.4
Gcnt7	0.3	0.2	0.4	0.6	0.4	0.3	0.3	0.3	0.1	0.2	0.2	0.3
Gcsh	41.2	30.7	25.5	45.9	35.7	39.4	33.1	31.0	31.0	32.4	37.2	32.8
Gda	4.4	4.7	5.3	3.8	4.7	2.0	4.3	5.3	4.7	5.7	4.7	7.7
Gdap1	0.7	0.4	0.3	0.7	0.3	0.9	0.6	0.4	0.4	0.4	0.5	0.4
Gdap10	0.4	0.8	0.5	0.5	0.7	0.6	0.3	0.4	0.2	0.3	0.2	0.3
Gdap1l1	0.1	0.0	0.1	0.2	0.1	0.2	0.0	0.0	0.1	0.0	0.1	0.0
Gdap2	8.1	8.9	8.2	8.6	8.5	8.8	7.8	7.9	8.3	7.6	8.6	8.8
Gde1	30.5	24.4	20.9	35.2	29.8	31.2	25.9	20.7	21.5	30.9	27.3	25.1
Gdf1	0.1	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gdf10	0.0	0.0	0.4	0.0	0.0	0.0	0.1	0.7	0.1	0.0	0.0	0.0
Gdf11	6.0	7.7	7.1	6.6	6.7	8.0	9.1	6.4	7.2	6.7	9.0	7.8
Gdf15	23.4	20.7	13.3	26.1	22.5	34.2	13.3	6.3	9.9	13.1	9.8	6.3
Gdf2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gdf3	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1
Gdf5	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Gdf6	139.2	130.3	118.4	115.5	118.3	100.8	125.4	55.7	93.4	102.9	86.6	113.5
Gdf7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.2
Gdf9	0.4	0.5	0.4	0.7	0.4	0.4	0.6	0.8	0.5	0.4	0.5	0.7
Gdi1	27.2	30.6	32.3	32.7	24.6	31.9	30.6	30.8	31.0	26.4	30.1	27.8
Gdi2	167.0	143.1	137.7	165.5	155.3	163.5	140.2	142.7	136.6	155.0	167.7	163.0
Gdnf	0.7	0.3	0.2	0.7	0.7	0.5	1.3	0.3	0.9	0.7	0.8	0.8
Gdpd1	5.9	3.4	3.1	5.4	5.5	6.2	2.5	2.7	2.2	5.5	3.9	3.9
Gdpd2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.4	0.4	0.5
Gdpd3	0.2	0.6	0.2	0.1	0.5	0.1	0.2	0.4	0.2	0.4	0.5	0.3
Gdpd4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Gdpd5	1.2	0.9	0.9	1.8	2.0	0.9	0.9	1.1	1.0	1.2	1.1	0.8
Gdpgp1	0.9	1.1	0.9	1.4	1.0	1.2	1.2	1.1	1.0	1.0	1.2	0.8
Gem	0.6	1.0	1.9	0.6	1.1	0.7	0.7	1.5	0.7	1.1	1.0	0.5
Gemin2	2.5	3.2	2.6	2.3	2.7	3.0	2.6	2.3	3.2	2.3	2.8	2.6
Gemin4	5.4	5.4	4.4	5.2	5.3	4.8	5.3	5.1	4.3	4.8	5.4	4.4
Gemin5	4.2	4.1	3.5	4.1	4.3	3.8	4.0	4.2	3.6	4.1	4.1	3.9
Gemin6	7.8	7.5	6.2	6.9	8.1	5.5	7.3	4.9	6.6	5.6	7.2	5.1
Gemin7	42.8	37.5	29.7	33.1	36.6	39.9	33.7	34.8	38.2	38.2	37.2	32.5
Gemin8	1.9	2.8	3.0	1.7	2.5	1.9	2.1	2.4	1.8	1.9	2.1	2.0
Gen1	0.5	1.2	1.7	0.3	1.3	0.4	1.8	1.0	1.2	0.8	1.3	1.0
Get4	13.0	13.1	11.0	11.2	12.7	14.2	13.3	13.0	14.3	15.9	14.0	13.7
Gfap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Gfer	10.7	9.5	11.3	9.2	9.1	10.4	10.8	9.6	9.7	12.7	11.3	11.3
Gfi1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gfm1	13.6	13.0	12.7	13.7	13.3	13.4	14.1	14.1	12.1	12.5	14.6	12.6
Gfm2	7.3	7.8	7.2	6.3	7.1	6.2	5.9	7.3	6.3	6.5	7.3	6.7
Gfod1	0.7	0.8	1.1	0.6	0.6	0.5	1.2	1.3	1.8	2.1	1.6	1.6
Gfod2	2.2	2.7	2.2	2.9	2.5	2.4	2.5	2.4	2.6	3.7	2.9	2.5
Gfpt1	14.6	17.2	16.5	15.5	16.8	15.6	17.5	17.7	17.9	20.4	21.1	21.1
Gfpt2	49.4	108.3	145.0	28.9	86.1	23.7	129.1	150.2	103.6	53.9	83.3	92.9
Gfra1	0.5	0.9	3.9	0.1	0.6	0.2	0.4	8.8	1.3	0.7	0.7	1.0
Gfra2	0.7	0.7	0.9	0.4	0.8	0.6	0.4	0.7	0.2	0.2	0.4	0.3
Gfra4	0.9	0.9	0.6	1.2	0.5	1.1	1.1	0.6	1.0	1.4	1.0	1.0

Online Table 1

Gga1	8.5	9.4	7.6	8.0	8.7	8.9	10.1	7.7	9.9	8.1	7.1	7.6
Gga2	10.4	10.6	8.6	10.0	10.7	12.3	8.6	10.4	10.1	9.8	9.8	10.0
Gga3	2.0	2.1	2.1	2.4	2.9	2.2	2.7	1.8	2.7	1.6	2.1	1.5
Ggact	10.9	9.8	10.0	11.6	12.3	10.4	10.0	10.8	8.9	13.1	10.3	11.1
Ggct	13.7	12.0	13.2	10.7	9.7	8.3	12.3	14.1	11.1	16.7	16.1	15.9
Ggcx	31.8	32.9	32.9	30.2	31.1	34.7	27.8	35.4	28.4	29.6	28.0	27.9
Ggh	31.3	27.5	27.1	34.5	30.8	37.4	27.5	27.3	31.2	28.2	28.7	34.3
Ggn	0.7	0.7	0.9	0.3	0.6	0.6	0.8	0.7	0.8	0.5	0.5	0.6
Ggnbp1	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.5	0.6	0.8	0.3	0.7
Ggnbp2	26.4	27.9	27.7	25.7	25.9	26.0	26.5	27.9	27.0	26.1	31.2	29.0
Ggps1	29.3	25.8	23.4	30.6	23.6	28.6	21.5	21.0	21.6	26.3	26.3	26.9
Ggt1	2.4	1.1	0.7	6.0	1.9	5.2	0.2	0.3	0.0	0.1	0.2	0.1
Ggt5	1.5	1.9	2.8	2.5	2.9	2.3	1.5	2.5	2.5	1.2	0.9	1.3
Ggt6	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Ggt7	3.7	5.4	5.1	4.4	4.9	4.5	6.1	7.3	6.3	3.9	4.3	3.5
Ggta1	30.8	30.5	33.7	30.7	33.8	32.6	30.2	26.4	29.4	30.7	33.3	33.0
Ghdc	9.7	8.3	6.1	9.3	7.8	9.2	7.9	6.2	8.1	7.8	7.6	6.8
Ghitm	102.2	71.8	56.9	110.0	71.2	103.9	60.1	75.0	65.8	72.8	78.6	70.2
Ghr	199.7	160.2	121.8	192.9	138.5	210.8	124.6	92.8	118.6	78.1	111.1	128.2
Ghrl	0.1	0.0	0.0	0.0	0.1	0.5	0.2	0.1	0.1	0.2	0.0	0.2
Gid4	9.3	7.0	6.6	9.7	6.4	10.7	6.0	6.0	5.9	6.5	7.3	7.1
Gid8	11.7	11.9	13.0	11.7	9.3	11.3	11.9	12.3	10.0	11.0	12.1	12.1
Gigyf1	1.4	1.5	1.9	1.4	1.6	1.8	1.7	1.6	1.6	1.4	1.3	1.2
Gigyf2	10.4	10.1	11.7	11.0	10.2	10.8	11.4	10.9	9.5	9.9	11.8	12.8
Gimap1	0.5	0.3	0.4	0.4	0.5	0.4	0.5	0.9	0.4	0.6	0.5	0.5
Gimap4	0.1	0.1	0.1	0.1	0.1	0.0	0.3	0.4	0.4	0.0	0.0	0.1
Gimap5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gimap6	1.9	1.2	1.6	2.3	1.3	0.9	1.7	1.9	1.3	0.5	0.8	0.6
Gimap8	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0
Gimap9	2.9	2.5	2.8	1.6	2.2	2.7	1.9	2.2	1.6	2.2	2.8	2.9
Gin1	1.6	1.9	1.9	2.2	1.6	2.2	1.8	2.3	1.3	1.5	2.4	1.7
Ginm1	49.2	44.6	46.3	49.9	42.7	51.7	46.3	43.1	44.3	42.6	46.5	53.7
Gins1	0.9	1.6	1.2	1.2	2.1	0.6	2.4	1.3	1.9	1.2	1.3	0.9
Gins2	7.0	9.0	9.9	5.1	9.6	5.4	12.4	7.9	8.8	6.4	9.0	6.4
Gins3	1.7	1.7	2.6	2.1	2.4	1.7	3.1	1.9	2.0	1.6	2.3	2.2
Gins4	14.4	17.4	23.6	17.0	16.7	14.8	19.5	25.1	22.2	19.4	21.0	20.6
Gipc1	30.4	27.3	23.7	32.2	29.8	31.4	31.1	26.1	30.1	28.2	29.4	25.6
Gipc2	0.3	0.1	0.1	0.0	0.2	0.2	0.1	0.0	0.0	0.2	0.2	0.0
Gipr	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Git1	7.2	7.4	6.7	7.4	7.0	9.0	7.2	6.7	7.0	6.4	6.7	5.5
Git2	5.3	5.6	6.1	5.0	6.2	5.7	6.7	6.2	5.4	5.5	6.2	5.4
Gja1	8.1	6.6	8.6	4.3	8.5	4.7	9.1	7.9	6.0	17.6	11.9	8.1
Gja3	0.3	0.2	0.2	0.3	0.1	0.5	0.1	0.1	0.0	0.0	0.1	0.1
Gja4	0.4	1.0	1.6	0.2	0.4	0.4	0.6	1.6	0.4	0.8	0.3	1.1
Gja5	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.1
Gja6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Gja8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gjb3	3.4	3.4	3.5	0.5	2.5	1.8	5.0	5.2	2.2	6.9	6.8	5.2
Gjb4	1.9	2.8	3.0	1.4	1.9	1.4	3.2	4.7	2.1	3.7	4.2	3.1
Gjb5	9.0	5.6	6.8	3.7	6.5	2.9	7.7	6.8	4.8	12.5	10.7	10.6
Gjc1	3.3	3.2	4.2	2.9	3.8	3.4	5.2	4.6	4.0	3.2	4.1	3.4
Gjc2	1.7	1.8	1.1	1.3	1.4	1.8	1.6	1.2	1.6	1.5	1.0	1.2
Gjc3	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1
Gk5	2.1	3.7	4.0	1.7	2.8	1.8	2.5	2.3	2.0	1.8	1.9	2.3
Gkap1	22.8	23.6	25.2	24.1	16.3	26.9	20.2	18.7	17.3	19.0	21.5	25.5
Gla	11.1	8.0	6.4	15.8	12.9	9.7	6.8	6.8	6.1	9.6	7.7	9.2
Glb1	40.7	32.4	34.1	38.0	37.4	39.6	31.4	34.9	31.2	36.4	32.5	33.0

Online Table 1

Glb11	6.3	6.0	6.5	6.8	6.1	6.5	6.2	6.6	7.1	5.9	6.0	7.3
Glb112	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Glcci1	1.0	1.5	2.1	0.8	1.2	0.8	1.3	1.7	1.2	0.8	0.9	0.9
Glce	10.0	8.4	8.6	10.6	8.1	10.8	9.7	11.6	10.5	8.7	10.5	8.9
Gldc	6.4	6.3	4.9	6.9	3.6	4.2	2.6	4.0	2.9	2.0	1.9	1.7
Gldn	0.1	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Gle1	12.7	11.2	11.1	14.5	12.5	11.4	12.7	11.0	10.4	11.4	12.0	11.3
Glg1	43.4	43.7	42.6	41.7	47.6	46.9	44.2	46.2	44.5	41.1	40.1	38.8
Gli1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Gli2	0.1	0.1	0.3	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.1
Gli3	3.0	3.7	4.3	2.9	3.0	3.4	4.2	3.6	3.2	3.2	3.0	3.4
Glpr1	36.6	18.5	12.2	73.2	108.6	20.5	38.6	13.4	18.7	56.7	59.5	49.7
Glpr2	21.7	24.0	33.0	19.7	32.7	21.7	31.0	43.4	35.6	30.1	36.4	27.9
Glis1	0.1	0.2	0.2	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.2	0.1
Glis2	4.6	4.2	4.5	3.2	4.0	4.2	5.2	8.4	5.7	4.2	5.8	3.5
Glis3	2.9	5.1	4.8	2.9	3.2	3.3	4.4	4.3	3.9	3.0	4.0	3.7
Glmn	3.3	3.5	3.7	3.8	3.3	3.6	3.2	4.0	3.9	3.7	3.5	3.9
Glo1	70.6	56.1	48.9	72.4	51.1	71.9	57.0	49.4	49.0	64.0	64.9	64.6
Glod4	32.5	30.8	28.4	26.7	27.0	31.7	22.8	23.4	23.7	29.5	26.7	28.7
Glp1r	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Glp2r	0.3	0.3	0.2	0.8	0.2	0.6	0.0	0.1	0.0	0.0	0.0	0.0
Glr1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Glr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glrb	0.3	0.2	0.3	0.2	0.1	0.6	0.1	0.2	0.0	0.2	0.4	0.3
Glrx	11.6	11.1	12.6	24.4	42.1	11.1	15.6	8.6	9.5	14.6	8.8	13.2
Glrx2	3.9	3.7	3.8	3.4	3.2	3.1	3.5	3.9	3.3	4.2	4.7	4.3
Glrx3	90.8	69.3	41.5	62.7	52.8	62.6	39.1	41.1	48.8	67.5	53.9	51.3
Glrx5	36.4	30.2	21.1	31.3	29.8	31.7	24.3	24.4	29.7	35.0	24.4	25.0
Gls	38.1	37.5	29.3	39.5	38.3	32.7	39.3	32.9	44.9	40.6	48.8	43.5
Gls2	0.1	0.1	0.1	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.1	0.1
Glt25d1	59.1	49.2	48.2	73.3	63.2	68.2	58.5	59.3	57.9	47.6	52.6	51.8
Glt25d2	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.4	0.2	0.2	0.1	0.1
Glt28d2	1.1	0.8	0.9	0.8	0.9	1.1	1.0	1.1	1.0	1.3	1.0	1.0
Glt8d1	24.4	25.0	21.6	15.6	19.5	19.7	18.4	20.0	24.9	22.1	21.6	22.1
Glt8d2	12.5	9.9	8.8	11.2	10.0	11.7	7.4	4.2	6.5	4.4	6.2	5.8
Gltp	13.9	13.5	13.3	17.4	22.0	14.1	15.0	14.7	13.1	11.3	15.7	10.4
Gltpd1	5.8	5.7	4.5	6.0	5.8	5.3	6.2	4.5	5.4	5.3	6.0	3.8
Gltpd2	0.7	0.4	0.3	0.4	0.2	0.6	0.7	0.8	0.4	0.3	0.3	0.6
Gltscr1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.3	0.2	0.2
Gltscr1l	1.7	2.5	2.9	2.0	2.2	2.4	2.2	2.3	2.2	1.7	2.0	2.0
Gltscr2	52.2	46.3	54.8	37.1	43.5	43.4	48.2	57.2	51.1	50.7	56.7	56.1
Glud1	77.7	65.7	50.5	73.4	67.1	70.4	65.1	59.7	61.1	66.9	72.7	62.5
Glul	15.3	30.9	57.6	17.7	28.8	16.9	28.7	44.2	24.8	39.7	28.3	35.2
Glyat	0.2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Glyctk	0.3	0.3	0.2	0.6	0.4	0.4	0.4	0.3	0.4	0.2	0.4	0.3
Glyr1	30.2	33.9	32.8	33.2	31.6	31.9	31.5	31.7	30.2	30.2	32.9	32.1
Gm10012	3.4	2.9	3.7	4.4	4.9	5.1	3.5	3.6	3.6	6.2	2.9	4.6
Gm10033	0.6	1.8	2.2	1.2	1.2	1.2	0.9	1.8	1.2	1.3	2.3	1.3
Gm10046	0.2	0.4	0.4	0.6	0.3	0.3	0.2	0.3	0.4	0.1	0.5	0.3
Gm10052	40.4	35.2	47.9	42.7	48.4	34.7	61.1	66.2	56.4	52.8	60.1	52.5
Gm10069	0.3	0.4	0.4	0.2	0.4	0.3	0.3	0.3	0.4	0.2	0.4	0.3
Gm10094	314.4	221.1	172.7	294.1	178.5	259.7	170.7	115.7	146.4	266.1	247.9	194.6
Gm101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10125	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Gm10190	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1
Gm10220	0.1	0.2	0.2	0.0	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.1
Gm10336	1.3	1.7	1.9	1.6	1.7	1.8	1.4	1.6	1.5	1.8	2.0	1.7

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Gm10364	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm10389	0.3	0.5	0.4	0.3	0.4	0.3	0.4	0.3	0.2	0.4	0.3	0.3
Gm10390	0.1	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.3	0.4	0.5
Gm10400	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Gm10406	0.3	0.5	0.5	0.2	0.2	0.3	0.4	0.4	0.5	0.3	0.4	0.4
Gm10408	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0
Gm10409	0.2	0.3	0.3	0.2	0.3	0.5	0.3	0.3	0.4	0.3	0.2	0.2
Gm10413	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10416	0.4	0.8	0.5	0.1	0.0	0.6	0.4	0.3	0.4	0.5	0.5	0.4
Gm10432	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10433	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Gm1045	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0
Gm10451	2.8	1.7	1.4	2.0	1.7	1.8	0.8	1.3	1.1	0.9	1.8	1.2
Gm10471	0.3	0.3	0.4	0.2	0.3	0.2	0.1	0.1	0.1	0.4	0.3	0.1
Gm10474	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10485	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1
Gm10509	1.9	2.8	2.3	2.0	2.3	3.1	1.7	2.8	2.3	2.8	2.8	2.8
Gm10510	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10512	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Gm10516	1.4	1.1	1.7	2.0	0.9	1.8	0.9	1.3	1.2	1.2	1.3	1.5
Gm10532	0.8	1.2	1.3	1.0	0.9	1.2	1.8	1.4	1.3	1.1	1.2	1.1
Gm10536	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Gm10538	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10548	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2
Gm10560	0.3	0.7	0.8	0.3	0.5	0.8	0.5	0.7	0.4	0.5	0.2	0.3
Gm10578	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Gm10584	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Gm10635	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10638	1.3	0.8	0.9	0.5	0.9	0.8	0.9	0.9	1.5	1.0	0.8	1.2
Gm10639	0.4	0.2	0.0	0.3	0.2	0.4	0.0	0.1	0.0	0.0	0.0	0.1
Gm10640	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Gm10653	2.1	1.9	2.0	2.1	1.8	2.0	2.0	2.2	1.7	1.8	2.0	2.1
Gm10658	0.1	0.3	0.2	0.2	0.0	0.2	0.2	0.1	0.2	0.1	0.3	0.2
Gm10677	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10681	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10684	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Gm10731	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gm10754	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10767	0.9	1.0	1.2	1.5	0.8	1.0	0.6	0.8	0.6	0.7	0.8	1.5
Gm10768	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10778	0.3	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.5
Gm1078	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
Gm10785	0.4	0.6	0.8	1.0	0.4	0.7	0.5	0.6	0.4	0.5	0.6	0.5
Gm10790	0.1	0.1	0.3	0.0	0.2	0.2	0.0	0.1	0.1	0.0	0.1	0.1
Gm10791	0.1	0.2	0.2	0.2	0.3	0.2	0.4	0.3	0.2	0.3	0.4	0.1
Gm10804	0.1	0.2	0.0	0.3	0.2	0.1	0.0	0.2	0.0	0.2	0.2	0.0
Gm10814	0.3	0.3	0.4	0.2	0.3	0.4	0.2	0.1	0.3	0.2	0.2	0.3
Gm10818	0.1	0.1	0.1	0.4	0.2	0.0	0.1	0.3	0.1	0.0	0.2	0.2
Gm10825	0.2	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Gm10845	5.1	5.9	5.9	7.1	5.3	5.5	5.9	5.2	4.1	3.8	5.3	6.2
Gm10865	0.3	0.9	0.1	1.1	0.2	0.5	0.2	0.3	0.6	0.2	0.3	0.5
Gm10872	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10941	0.2	0.2	0.6	0.9	0.3	0.5	0.2	0.7	0.3	0.1	0.0	0.4
Gm11110	1.1	1.6	0.9	1.0	1.3	1.7	0.8	0.7	0.9	0.6	0.8	0.9
Gm11127	3.9	3.1	2.7	4.2	3.7	3.1	1.9	2.1	2.1	1.9	1.5	1.8
Gm11128	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Gm11149	0.6	0.2	0.3	0.3	0.3	0.2	0.7	0.1	0.8	0.9	1.0	1.0
Gm11166	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm11201	0.2	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.1	0.3	0.2	0.3
Gm11202	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Gm1123	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm11346	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Gm11351	4.5	1.0	0.3	0.9	0.6	0.6	0.2	0.7	0.2	0.9	0.4	0.4
Gm1141	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Gm11413	0.5	0.1	0.4	0.3	0.5	0.1	0.5	0.3	0.1	0.1	0.3	0.3
Gm11435	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Gm11517	0.3	0.9	0.7	0.3	0.5	0.8	1.4	0.8	0.6	0.7	0.5	0.7
Gm11545	0.0	0.0	0.0	0.1	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm11602	0.5	0.8	0.5	0.4	0.5	0.3	0.4	0.4	0.4	0.3	0.6	0.4
Gm11627	2.9	2.8	2.6	2.0	2.0	1.5	1.5	2.4	2.4	1.4	2.7	2.9
Gm11648	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Gm11696	0.1	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.1	0.1	0.2	0.1
Gm11711	0.0	0.0	0.0	0.4	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm11744	1.8	2.7	1.4	1.7	2.0	2.2	1.7	2.2	2.2	1.4	1.1	1.8
Gm11747	0.4	0.4	0.7	0.2	0.6	0.1	0.3	1.2	0.7	1.2	0.4	1.0
Gm11837	0.2	0.2	0.5	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.0	0.1
Gm11944	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.3	0.2
Gm11974	11.7	10.3	7.5	13.4	9.6	10.1	7.3	8.3	7.6	11.1	9.0	7.4
Gm11992	0.1	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Gm12060	0.1	0.1	0.0	0.1	0.0	0.3	0.0	0.1	0.0	0.1	0.1	0.2
Gm12070	38.0	33.6	30.4	53.9	42.5	41.3	41.6	37.8	28.8	33.7	38.1	38.4
Gm12185	1.1	1.0	0.6	1.2	0.9	0.9	0.8	0.3	0.5	0.5	0.6	0.6
Gm12191	753.5	615.6	603.1	613.9	555.3	716.7	532.0	655.8	582.2	620.8	650.9	680.5
Gm12216	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2
Gm12238	0.0	3.5	4.8	11.3	4.9	0.0	0.0	0.0	5.9	3.3	0.0	0.0
Gm12250	0.4	0.1	0.2	0.9	0.3	0.2	0.1	0.0	0.1	0.0	0.1	0.3
Gm12295	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm12359	0.4	0.8	0.7	0.7	0.6	0.8	0.9	0.9	0.5	0.4	0.6	0.6
Gm12504	0.3	0.4	0.6	0.4	0.5	0.3	0.5	0.5	0.4	0.5	0.4	0.6
Gm12505	0.8	1.1	1.2	1.0	1.2	0.8	1.7	0.2	1.2	3.4	0.6	2.1
Gm12522	0.0	0.2	0.3	0.0	0.1	0.2	0.0	0.1	0.1	0.1	0.2	0.1
Gm12530	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Gm12603	0.9	0.3	0.2	0.4	0.0	1.6	0.6	0.1	0.3	0.2	0.7	0.3
Gm12657	5.6	5.2	5.3	4.5	6.5	5.4	4.2	6.0	5.9	7.3	5.5	6.7
Gm12669	114.8	92.0	100.9	122.0	93.2	131.7	93.2	98.4	78.5	108.4	127.4	105.5
Gm128	0.1	0.3	0.2	0.1	0.1	0.3	0.2	0.3	0.3	0.2	0.2	0.2
Gm129	2.3	2.0	1.9	2.4	1.5	3.0	1.7	2.1	1.5	1.7	1.6	1.3
Gm12942	5.6	7.0	5.4	8.2	5.0	8.8	5.3	6.5	5.3	5.8	6.5	5.4
Gm13032	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm13034	0.2	0.5	0.3	0.5	0.4	0.4	0.6	0.3	0.4	0.4	0.3	0.3
Gm13051	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm13139	9.3	11.9	14.1	13.1	14.3	15.5	9.0	11.1	10.7	11.2	16.8	14.6
Gm13152	8.0	10.2	10.2	9.7	7.2	11.5	5.7	6.8	5.6	6.5	8.1	9.7
Gm13154	0.2	0.2	0.2	0.5	0.4	0.4	0.2	0.2	0.2	0.3	0.3	0.3
Gm13157	10.4	11.7	14.7	13.9	13.6	16.2	8.4	10.5	9.7	13.4	13.9	14.3
Gm13212	6.9	8.9	10.7	9.3	10.5	11.7	5.9	7.8	6.6	9.9	10.6	10.6
Gm13238	0.9	1.2	1.2	1.0	0.7	1.5	0.7	0.9	0.6	1.3	1.1	1.1
Gm13242	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Gm13247	0.1	0.1	0.3	0.1	0.2	0.3	0.1	0.2	0.1	0.1	0.2	0.1
Gm13251	3.6	4.8	4.9	5.2	4.2	6.4	3.9	4.6	3.3	3.6	5.6	4.6
Gm13271	0.1	0.4	0.1	0.1	0.1	0.3	0.4	0.5	0.4	0.2	0.3	0.2
Gm13272	0.1	0.0	0.2	0.0	0.2	0.3	0.2	0.1	0.3	0.1	0.4	0.0
Gm13275	0.2	0.1	0.1	0.1	0.3	0.4	0.2	0.3	0.2	0.2	0.1	0.3

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Gm13276	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.2
Gm13277	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.2	0.2	0.1	0.2	0.2
Gm13278	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gm13279	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm13283	0.2	0.2	0.2	0.0	0.2	0.4	0.3	0.2	0.1	0.5	0.1	0.3
Gm13285	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gm13286	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Gm13288	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2
Gm13289	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0
Gm13290	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Gm13293	2.1	1.1	1.2	1.1	1.1	0.9	1.5	2.0	1.3	1.9	3.1	1.9
Gm13298	0.6	1.0	1.2	0.4	0.4	0.4	0.5	0.7	0.3	0.3	0.4	0.5
Gm13305	4.7	5.5	6.4	4.5	3.9	3.8	4.1	6.3	4.4	3.7	3.1	4.1
Gm13306	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm13308	0.8	0.2	0.4	0.4	0.2	0.9	0.5	1.6	0.3	0.3	0.0	0.1
Gm13315	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Gm13363	41.1	43.0	39.0	50.4	47.8	57.0	41.1	35.3	34.3	39.5	44.0	41.1
Gm13375	2.2	2.1	1.7	2.2	1.3	1.8	2.1	1.9	1.6	1.5	2.0	1.4
Gm13399	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.2
Gm13446	0.3	0.2	0.3	0.3	0.3	0.6	0.4	0.2	0.3	0.3	0.3	0.2
Gm13476	3.7	4.1	4.6	5.1	5.5	3.9	4.2	6.3	3.3	2.7	3.6	4.7
Gm13483	0.6	0.7	0.6	0.5	0.6	0.4	0.4	0.5	0.7	0.7	0.8	0.6
Gm13497	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm13498	0.2	0.3	0.2	0.4	0.3	0.2	0.2	0.1	0.2	0.3	0.3	0.2
Gm13547	1.9	1.2	3.0	0.6	1.6	1.8	3.4	2.0	1.9	1.2	0.9	1.2
Gm13582	0.1	0.2	0.3	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1
Gm13704	0.2	0.3	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.3	0.1	0.3
Gm13710	0.1	0.1	0.4	0.2	0.3	0.3	0.1	0.0	0.1	0.2	0.0	0.1
Gm13718	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
Gm13749	0.1	0.1	0.3	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2
Gm13807	0.1	0.0	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gm13826	8.9	7.7	6.8	6.2	8.2	7.4	6.6	8.1	8.0	8.2	7.7	8.0
Gm13845	0.8	1.1	1.1	0.4	0.6	0.6	0.7	0.8	0.7	0.5	0.8	0.5
Gm13889	0.3	0.6	0.6	0.3	1.1	0.1	0.6	0.4	0.6	0.2	0.4	0.3
Gm13939	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.0	0.1
Gm14005	19.2	18.3	12.7	23.2	24.4	14.6	24.1	17.4	19.1	17.0	25.0	16.8
Gm14023	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Gm14057	0.1	0.2	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2
Gm14085	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm14124	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gm14137	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Gm14139	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Gm14288	12.3	11.5	11.3	9.7	10.9	11.0	10.2	12.2	11.6	14.6	13.5	10.8
Gm14295	19.2	20.3	24.6	25.9	25.2	28.5	20.6	26.4	24.0	26.4	30.1	25.1
Gm14305	9.3	7.3	6.4	8.9	6.5	8.4	6.2	6.4	6.1	8.2	8.2	8.7
Gm14306	2.5	2.3	1.7	1.1	2.6	1.8	1.3	2.1	2.4	3.1	2.2	2.7
Gm14308	3.5	1.5	0.8	1.4	0.8	1.5	1.5	1.2	0.9	0.9	1.0	1.0
Gm14322	3.0	2.3	2.5	3.9	2.5	3.7	2.6	2.4	2.7	3.6	3.0	3.6
Gm14325	9.2	7.8	7.9	9.8	7.6	10.3	6.6	7.5	7.4	10.0	10.6	10.4
Gm14326	8.8	7.6	6.7	8.7	7.4	9.9	6.3	6.9	6.8	8.8	9.8	9.6
Gm14327	0.4	1.1	0.7	0.6	0.7	1.7	0.6	0.9	0.9	1.1	0.6	1.1
Gm14378	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.1
Gm14379	0.2	0.3	0.1	0.3	0.3	0.6	0.1	0.4	0.2	0.2	0.2	0.2
Gm14391	4.8	3.8	2.9	3.1	2.7	3.4	3.0	2.7	2.7	3.9	3.8	3.6
Gm14393	10.8	8.3	7.6	10.1	8.4	8.5	8.4	5.6	7.7	8.7	9.2	8.1
Gm14403	2.3	1.9	2.3	2.5	1.7	2.8	1.8	2.1	2.4	3.8	3.2	3.9
Gm14405	0.8	0.7	0.5	0.7	0.7	0.8	0.8	0.5	0.7	0.7	0.7	0.8

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Gm14420	8.0	6.8	6.9	9.6	7.4	8.8	7.4	7.8	7.9	8.2	8.7	9.4
Gm14430	3.0	2.6	2.6	3.2	2.8	3.8	2.7	2.6	2.5	3.5	3.6	3.2
Gm14431	3.6	3.1	3.2	4.1	3.6	3.8	2.9	3.2	2.9	3.6	3.9	4.0
Gm14434	4.4	3.9	3.8	4.3	4.0	5.5	3.8	3.6	3.7	5.1	5.0	4.8
Gm14436	8.7	7.1	7.6	9.5	8.4	8.9	7.4	8.6	6.9	7.5	9.2	8.7
Gm14440	3.6	3.3	3.9	4.7	4.1	4.5	3.9	4.2	3.6	4.5	4.9	5.0
Gm14446	1.7	1.4	1.0	1.5	0.8	1.1	0.5	0.5	0.5	0.8	0.9	1.2
Gm14492	0.6	0.9	1.2	0.9	1.7	1.8	1.4	1.7	1.5	0.4	0.9	1.2
Gm14548	0.2	0.0	0.0	0.4	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm14634	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm14827	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm14872	2.7	2.5	2.5	2.6	2.4	2.6	2.4	2.5	2.0	3.8	2.4	2.3
Gm14873	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.0	0.2	0.0	0.0	0.0
Gm15070	0.4	0.3	0.4	0.6	0.6	0.1	0.3	0.1	0.2	0.4	0.3	0.3
Gm15085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm15133	0.4	0.5	0.3	0.6	0.2	0.1	0.4	0.2	0.1	0.5	0.5	0.6
Gm15217	0.5	0.1	0.3	0.5	0.2	0.0	0.4	0.5	0.3	0.1	0.3	0.3
Gm15319	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.2
Gm15328	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2
Gm15350	1.6	0.6	0.3	1.6	1.3	1.5	1.0	1.2	0.7	1.2	0.9	0.6
Gm15401	0.2	0.2	0.0	0.1	0.1	0.1	0.1	0.0	0.2	0.0	0.0	0.0
Gm15408	0.1	0.0	0.3	0.4	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.2
Gm15413	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0
Gm15417	2.2	2.0	1.0	2.0	1.9	2.8	1.3	1.8	2.1	1.3	1.6	2.2
Gm15421	0.9	1.5	0.7	0.9	1.2	0.2	0.4	0.9	1.0	1.0	0.6	1.2
Gm15441	0.1	0.0	0.1	0.3	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.2
Gm15446	1.0	0.9	0.9	1.0	0.9	1.1	1.2	1.0	0.8	1.0	1.1	1.4
Gm15455	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gm15471	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.0
Gm15545	0.8	0.7	0.8	0.5	1.1	0.5	0.7	0.9	0.8	0.4	0.5	0.6
Gm15612	0.2	0.2	0.5	0.4	0.3	0.4	0.2	0.4	0.3	0.3	0.2	0.1
Gm1564	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm15645	0.0	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.1	0.1	0.1	0.1
Gm15663	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
Gm15698	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.8	0.6	0.4
Gm15706	0.2	0.4	0.0	0.3	0.2	0.3	0.2	0.5	0.5	0.3	0.5	0.3
Gm15708	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1
Gm15713	0.2	0.2	0.2	0.0	0.1	0.2	0.2	0.1	0.2	0.2	0.0	0.1
Gm15760	0.3	0.4	0.3	0.3	0.4	0.3	0.2	0.4	0.3	0.2	0.4	0.2
Gm15772	1404.5	1116.0	1221.9	1201.7	1031.5	1350.7	1087.2	1323.0	974.2	1158.9	1310.1	1301.4
Gm15787	0.6	0.5	0.5	0.5	0.4	0.2	0.6	0.6	0.4	0.4	0.4	0.4
Gm15800	2.2	2.7	2.5	2.0	2.6	2.3	2.8	2.3	2.5	2.0	2.2	1.9
Gm15880	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1
Gm15910	0.3	0.6	0.5	0.2	0.4	0.5	0.7	0.3	0.2	0.4	0.3	0.3
Gm15915	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Gm15987	2.8	0.9	1.5	1.7	2.2	0.8	1.7	0.9	0.2	0.5	1.3	0.5
Gm16023	0.9	1.2	1.0	1.1	0.8	1.0	1.3	1.1	0.9	0.7	0.9	0.6
Gm16039	3.9	4.8	4.6	3.1	4.4	3.7	4.8	4.1	4.2	3.8	4.3	4.0
Gm16062	1.6	1.0	0.8	0.6	1.6	1.2	1.4	0.7	1.1	2.1	0.8	1.2
Gm16119	1.0	0.9	0.9	0.9	1.5	1.1	1.2	1.1	1.0	1.4	0.7	1.0
Gm16157	0.3	0.1	0.4	0.1	0.3	0.3	0.3	0.2	0.2	0.1	0.3	0.0
Gm16197	2.2	2.0	1.6	2.6	1.7	2.2	1.3	2.0	1.7	1.0	1.7	1.3
Gm16287	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Gm16386	2.4	1.6	1.7	1.5	1.9	2.6	2.2	2.1	1.4	1.6	1.5	1.5
Gm16432	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.0	0.1
Gm16515	4.4	4.5	4.0	4.4	4.5	4.4	3.9	4.0	4.1	4.3	3.4	3.3
Gm16516	2.0	1.5	1.9	3.2	2.3	1.0	2.0	1.9	1.8	1.6	2.9	2.1

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Gm16523	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm16532	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm16548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gm16576	0.4	0.3	0.3	0.4	0.4	0.8	0.3	0.1	0.2	0.3	0.2	0.2
Gm16596	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.3	0.3
Gm166	3.0	3.6	3.4	3.9	3.6	4.5	3.8	3.3	3.3	3.2	3.0	2.9
Gm1661	0.2	0.5	0.6	0.1	0.3	0.3	0.1	0.3	0.3	0.2	0.2	0.3
Gm16617	0.6	1.2	1.8	1.4	1.1	1.3	1.7	1.4	1.0	1.0	1.1	1.2
Gm16675	0.7	1.1	0.8	0.9	1.0	0.5	0.9	0.8	0.8	0.4	0.5	0.7
Gm16677	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.2	0.1	0.1	0.2	0.1
Gm16702	0.6	0.7	0.4	0.5	0.6	0.5	0.7	0.6	0.4	0.8	0.5	0.5
Gm1673	3.4	3.9	3.6	2.6	2.9	3.7	3.4	4.8	3.9	4.1	3.5	5.6
Gm16793	0.9	0.6	0.5	1.2	0.7	0.6	0.8	0.5	0.6	0.5	0.6	0.4
Gm16796	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1
Gm16845	0.8	0.6	0.4	0.7	0.7	1.1	0.8	0.9	0.4	0.7	0.9	1.0
Gm16853	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Gm16861	0.5	0.4	0.6	0.8	0.4	0.8	0.4	0.7	0.3	0.4	0.7	0.3
Gm16880	0.4	0.4	0.6	0.2	0.5	0.2	0.4	0.4	0.2	0.3	0.4	0.6
Gm16894	0.0	0.1	0.3	0.0	0.0	0.1	0.3	0.1	0.0	0.1	0.1	0.1
Gm16897	0.6	0.3	0.5	0.4	0.3	0.5	0.3	0.9	0.3	0.4	0.4	0.5
Gm16907	3.4	3.5	2.9	2.9	2.9	2.8	2.9	2.4	2.4	2.1	2.4	2.4
Gm16938	0.5	0.4	0.5	0.6	0.4	0.6	0.5	0.3	0.3	0.5	0.6	0.5
Gm16973	0.9	1.6	1.2	0.9	1.6	0.8	1.3	1.1	1.5	1.3	1.4	1.4
Gm16982	1.4	1.2	1.0	1.1	1.1	0.9	1.3	1.7	1.9	1.2	1.5	1.4
Gm16998	0.4	0.5	0.2	0.2	0.7	0.3	0.4	0.8	0.5	0.4	0.4	0.5
Gm17019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm17066	1.0	0.9	1.5	1.0	1.2	1.4	1.4	1.4	1.1	1.0	1.4	1.5
Gm17296	0.8	1.4	1.3	0.8	1.3	1.1	1.3	1.0	1.1	1.1	1.1	1.0
Gm17384	0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm17455	0.9	0.4	0.7	0.2	0.1	0.5	0.0	0.4	0.3	0.3	0.6	0.4
Gm17644	2.7	4.4	4.1	2.7	3.2	3.0	4.6	2.9	1.9	2.9	2.4	3.2
Gm17757	0.5	0.4	0.4	0.7	0.6	0.1	0.3	0.1	0.3	0.2	0.2	0.4
Gm17762	1.0	0.9	1.0	0.9	1.1	1.0	1.2	1.2	1.2	0.7	0.9	0.9
Gm17769	0.2	0.2	0.4	0.1	0.2	0.1	0.2	0.4	0.2	0.1	0.1	0.1
Gm17801	0.4	0.2	0.5	0.9	0.6	0.2	0.4	0.5	0.7	0.6	0.7	0.5
Gm17821	1.6	2.0	1.6	1.4	1.6	1.4	1.7	1.5	1.1	1.3	1.4	1.2
Gm1821	72.4	73.3	70.4	101.9	79.5	87.0	89.8	83.1	71.8	74.8	85.0	79.2
Gm18853	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19276	0.0	0.1	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.3	0.1	0.2
Gm19299	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Gm19345	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm1943	11.1	7.9	7.4	10.7	9.2	9.6	7.7	8.0	8.8	9.4	9.3	8.7
Gm19434	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19461	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19466	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Gm19510	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.7	0.0	0.2	0.2	0.1
Gm19522	0.7	2.6	5.7	1.0	1.0	1.1	1.7	2.2	1.6	1.0	1.1	1.6
Gm19557	0.2	0.3	0.2	0.5	0.1	0.3	0.2	0.3	0.1	0.3	0.2	0.3
Gm19583	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Gm19589	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19619	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19705	3.7	2.8	3.6	3.4	4.2	2.1	2.9	1.3	2.4	4.6	2.7	2.3
Gm19710	0.0	0.4	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.6	0.2	0.2
Gm19757	1.6	2.4	1.4	1.5	1.8	1.8	1.6	1.7	1.2	1.3	1.2	1.5
Gm1976	1.7	2.6	1.8	1.6	2.0	2.4	1.6	2.1	1.5	2.0	1.9	1.7
Gm1987	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19897	0.3	0.2	0.1	0.2	0.3	0.2	0.3	0.1	0.2	0.3	0.1	0.2

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Gm2002	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Gm2011	0.7	0.7	0.8	0.3	0.5	0.7	0.6	0.5	0.3	0.5	0.6	0.9
Gm20110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Gm20139	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2016	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Gm20199	0.3	0.5	0.3	0.4	0.5	0.4	0.6	0.3	0.3	0.5	0.4	0.3
Gm2022	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gm20257	0.9	1.1	0.6	1.0	1.1	0.8	0.7	1.0	0.6	1.0	0.8	1.2
Gm2027	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Gm20300	2.9	3.2	3.7	3.7	2.8	4.4	2.6	3.0	2.6	3.0	4.0	3.4
Gm20324	0.2	0.5	0.1	0.0	0.2	0.0	0.1	0.2	0.0	0.1	0.5	0.1
Gm20337	0.3	0.4	0.3	0.7	0.4	0.4	0.1	0.5	0.3	0.3	0.2	0.3
Gm20362	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Gm20554	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1
Gm20594	0.0	0.0	0.0	1.0	0.0	0.2	2.1	0.0	0.3	0.0	0.0	0.0
Gm20597	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20604	2.5	2.1	1.7	2.0	2.6	1.9	2.3	2.0	2.2	1.8	2.2	1.4
Gm20605	0.9	0.6	0.4	0.7	1.2	0.6	1.0	0.5	0.9	0.1	0.3	0.2
Gm20735	0.3	0.1	0.5	0.1	0.2	0.0	0.2	0.0	0.2	0.2	0.0	0.3
Gm20736	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20744	1.7	0.8	0.5	1.5	0.8	1.5	1.0	0.5	0.8	2.8	2.9	1.2
Gm20748	5.4	3.9	3.5	6.2	4.3	5.6	5.6	4.1	3.9	4.5	4.0	2.7
Gm20752	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20755	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Gm20765	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20767	0.3	0.3	0.1	0.1	0.2	0.2	0.3	0.2	0.0	0.2	0.2	0.2
Gm20878	0.0	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.3	0.3	0.2	0.3
Gm20939	0.8	1.4	1.7	0.7	0.9	1.2	1.0	1.2	1.2	0.9	1.1	1.1
Gm21119	0.1	0.3	0.3	0.1	0.1	0.3	0.2	0.1	0.1	0.4	0.1	0.2
Gm2115	3.3	1.6	1.0	3.2	2.6	2.9	5.3	0.9	1.4	2.8	3.1	2.3
Gm21293	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21304	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21312	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21319	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm216	0.6	0.7	0.9	1.2	0.5	1.1	0.9	0.6	0.5	0.5	0.5	0.7
Gm21949	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2381	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Gm2382	7.6	8.8	8.4	7.8	8.3	6.9	8.5	8.7	9.4	7.2	8.3	8.8
Gm2518	1.1	1.1	1.3	1.1	1.2	1.0	1.2	1.3	1.3	1.1	1.1	1.0
Gm266	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1
Gm2897	0.7	1.2	1.0	0.4	0.5	0.8	0.9	1.1	0.8	0.7	1.0	0.8
Gm2a	27.5	24.5	21.4	28.0	23.4	28.2	19.0	15.5	14.6	27.1	22.3	21.7
Gm3002	0.2	0.4	0.6	0.0	0.2	0.1	0.2	0.6	0.0	0.7	0.3	0.2
Gm3086	0.1	0.2	0.1	0.0	0.3	0.1	0.1	0.1	0.1	0.2	0.5	0.3
Gm3219	1.3	2.0	1.7	1.1	1.7	1.5	1.5	2.1	1.6	2.3	1.0	1.8
Gm3230	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2
Gm3258	0.6	0.2	0.2	0.2	0.2	0.5	0.4	0.3	0.3	0.2	0.2	0.5
Gm3264	0.4	1.0	0.9	0.3	0.3	0.2	0.3	0.7	1.0	0.7	0.9	1.0
Gm3317	0.3	0.5	0.5	0.1	0.2	0.3	0.4	0.5	0.4	0.4	0.3	0.4
Gm3383	0.4	0.5	0.4	0.4	0.1	0.5	0.4	0.5	0.2	0.4	0.5	0.5
Gm3414	0.5	0.5	0.4	0.5	0.4	0.3	0.4	0.2	0.4	0.4	0.5	0.4
Gm3417	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3435	0.5	0.7	0.6	0.4	0.6	0.6	0.5	0.3	0.4	0.4	0.5	0.5
Gm3494	0.3	0.5	0.5	0.1	0.3	0.3	0.4	0.5	0.5	0.4	0.3	0.4
Gm3500	0.2	0.6	0.5	0.3	0.2	0.4	0.4	0.5	0.4	0.3	0.4	0.4
Gm3558	0.5	0.7	0.7	0.4	0.3	0.6	0.6	0.8	0.6	0.7	0.6	0.6
Gm3604	0.6	1.3	1.5	0.6	1.3	1.1	1.0	1.1	0.9	0.8	1.0	1.1

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Gm3696	0.3	0.6	0.6	0.3	0.3	0.5	0.5	0.6	0.4	0.4	0.6	0.5
Gm3716	0.9	0.7	0.6	0.5	0.7	0.5	0.5	0.3	0.4	0.4	0.5	0.3
Gm3776	0.7	0.7	0.5	0.9	0.6	1.3	0.4	0.5	0.0	0.1	0.1	0.2
Gm3893	2.0	3.7	3.7	1.5	1.7	1.4	1.7	3.2	1.2	0.9	1.3	1.4
Gm4013	0.6	1.4	1.1	0.4	0.5	1.6	0.7	0.7	0.2	1.7	0.4	0.4
Gm4027	0.3	0.2	0.3	0.4	0.4	0.2	0.5	0.3	0.3	0.3	0.4	0.4
Gm4070	13.8	6.9	4.4	15.1	7.6	6.1	4.5	4.2	4.6	4.9	3.4	10.0
Gm4262	1.2	1.1	0.9	1.2	1.2	1.0	0.9	1.2	1.1	0.7	0.8	0.8
Gm4285	0.7	0.9	0.7	1.0	0.9	0.4	0.6	0.7	0.7	0.9	0.5	1.0
Gm4340	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4349	1.0	1.4	1.0	1.1	1.3	1.1	1.0	0.9	1.0	0.8	1.3	1.0
Gm4477	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm4532	0.9	1.0	1.5	1.3	0.8	1.3	1.5	1.4	0.6	0.7	0.5	0.8
Gm4636	0.4	0.6	0.5	0.2	0.5	0.3	0.4	0.4	0.5	0.5	0.6	0.4
Gm4724	4.2	3.7	3.6	4.2	3.9	5.2	3.6	3.5	3.5	4.8	4.8	4.6
Gm4736	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0
Gm4759	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4787	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.0	0.2
Gm4788	5.5	6.3	5.4	2.0	3.4	1.8	2.5	3.0	4.8	4.8	2.4	5.3
Gm4832	0.1	0.2	0.1	0.0	0.1	0.0	0.2	0.3	0.0	0.1	0.1	0.5
Gm4841	0.3	0.1	0.3	0.4	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.4
Gm4884	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4890	0.5	0.3	0.3	0.5	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.4
Gm4925	0.1	0.3	0.4	0.4	0.3	0.4	0.4	0.5	0.5	0.3	0.5	0.2
Gm4944	2.9	4.2	4.8	4.6	4.7	5.3	3.7	4.4	3.9	4.5	6.1	5.6
Gm4951	1.3	0.6	1.5	1.3	0.7	0.8	0.5	0.3	0.4	0.2	0.6	1.5
Gm4952	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4961	3.5	3.6	2.7	3.8	3.6	2.7	3.2	2.5	3.1	1.5	2.1	2.5
Gm4980	0.1	0.1	0.2	0.0	0.2	0.1	0.4	0.3	0.3	0.1	0.1	0.1
Gm4984	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.2
Gm5039	0.2	0.1	0.1	0.2	0.2	0.0	0.2	0.1	0.1	0.1	0.1	0.1
Gm5069	0.5	0.3	0.5	0.9	0.5	0.7	0.7	0.5	0.4	0.5	0.5	0.6
Gm5077	3.1	3.5	5.4	2.4	4.6	2.9	1.8	2.8	2.5	8.0	4.4	4.7
Gm5082	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm5086	0.2	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1
Gm5088	2.1	1.5	1.5	2.0	1.8	2.1	1.7	1.9	1.2	1.7	2.0	1.9
Gm5105	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm5113	0.8	1.0	1.0	1.2	0.7	1.1	1.1	1.0	1.1	0.8	1.0	1.4
Gm5114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5124	0.1	0.2	0.0	0.1	0.1	0.4	0.1	0.2	0.0	0.1	0.1	0.1
Gm5126	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1
Gm5127	0.3	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Gm5129	0.7	1.1	1.5	1.0	1.8	0.3	2.0	1.8	1.5	1.1	0.9	2.3
Gm514	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Gm5141	0.6	0.8	1.2	0.8	1.0	1.2	0.7	1.0	0.7	0.9	0.8	0.8
Gm5148	11.2	8.8	9.4	9.6	9.1	9.7	9.7	10.5	8.9	9.3	10.4	10.8
Gm5150	0.0	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Gm5176	0.4	1.0	1.1	0.2	0.8	0.4	1.4	0.4	0.4	0.7	0.6	0.4
Gm5177	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1
Gm527	0.8	1.4	1.1	1.0	1.0	1.1	1.2	1.6	1.6	1.4	1.8	1.8
Gm53	0.9	0.1	0.3	2.3	0.5	0.4	0.1	0.0	0.1	0.1	0.4	0.1
Gm5415	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5424	232.0	130.5	100.6	352.6	234.7	325.5	140.8	65.0	55.6	114.8	110.9	120.0
Gm5431	9.6	6.7	4.2	9.4	5.5	7.9	6.9	2.5	3.6	3.6	5.4	5.3
Gm5434	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Gm5458	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

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Gm5464	0.6	0.4	0.6	0.2	0.4	0.4	0.6	0.7	0.5	0.2	0.4	0.5
Gm5468	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5475	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5506	8.8	7.7	6.4	11.7	10.5	9.3	10.9	9.2	9.8	9.8	9.7	11.6
Gm5512	0.2	0.2	0.6	0.3	0.3	0.2	0.1	0.2	0.4	0.2	0.3	0.3
Gm5523	1.4	1.1	1.5	2.9	1.9	1.7	1.9	1.5	1.6	1.3	1.2	1.7
Gm5531	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5538	0.3	0.1	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.0
Gm5544	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.3
Gm5577	0.3	0.5	0.4	0.0	0.3	0.2	0.2	0.2	0.6	0.1	0.3	0.5
Gm5595	1.0	1.4	1.3	1.0	0.9	1.2	0.9	1.2	1.3	1.8	1.3	1.2
Gm5607	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm561	17.2	15.4	10.3	16.0	13.4	16.1	14.3	9.8	15.7	17.6	13.3	13.7
Gm5617	5.1	5.3	5.8	5.4	5.0	5.3	4.2	6.0	6.1	7.1	6.4	5.0
Gm5627	0.1	0.0	0.2	0.1	0.2	0.0	0.1	0.4	0.0	0.0	0.0	0.0
Gm5643	0.5	0.6	0.9	0.8	0.8	0.6	1.0	1.2	1.2	1.0	1.2	1.2
Gm5662	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5766	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm5779	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.2	0.0	0.1	0.3
Gm5795	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5796	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.6	0.4	0.3	0.5	0.5
Gm5801	6.7	6.9	7.5	6.2	7.6	6.8	6.9	6.9	6.7	7.0	6.8	7.0
Gm5803	6.1	5.5	7.4	6.0	6.2	4.8	8.1	7.9	8.3	8.2	8.3	7.9
Gm5820	0.5	0.2	0.2	0.4	0.3	0.5	0.3	0.1	0.2	0.5	0.4	0.2
Gm5860	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1
Gm5878	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5901	0.4	0.1	0.4	0.5	0.3	0.2	0.4	0.4	0.4	0.1	0.6	0.3
Gm5918	10.0	10.0	9.3	12.4	7.4	12.8	7.8	6.5	5.9	7.5	8.9	10.0
Gm595	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6034	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1
Gm608	2.5	2.7	2.9	2.4	2.2	2.3	2.3	2.4	2.2	2.0	2.2	2.1
Gm6086	1.5	1.2	1.2	1.3	1.6	0.5	2.0	1.5	1.3	0.9	1.2	1.1
Gm6225	0.1	0.0	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.1	0.2
Gm6251	11.8	8.2	10.3	9.8	10.0	10.2	12.1	9.0	8.7	11.8	9.2	11.4
Gm6277	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Gm6297	0.4	0.3	0.3	0.1	0.4	0.6	0.4	0.3	0.3	0.2	0.3	0.4
Gm6313	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gm6377	0.1	0.0	0.0	0.2	0.7	0.0	0.1	0.1	0.1	0.2	0.0	0.1
Gm6402	1.3	1.0	0.9	1.6	1.3	1.2	1.4	1.1	1.2	1.3	1.2	1.3
Gm6432	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.1	0.1	0.1	0.0	0.0
Gm6455	0.3	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Gm6460	0.2	0.1	0.0	0.1	0.2	0.1	0.2	0.2	0.0	0.0	0.1	0.1
Gm6484	0.7	1.1	1.0	0.3	0.6	0.1	1.2	2.4	1.4	0.9	1.6	1.2
Gm6498	0.1	0.1	0.1	0.1	0.2	0.0	0.3	0.2	0.0	0.0	0.1	0.1
Gm6524	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm6525	0.0	0.1	0.3	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0
Gm6537	1.3	1.1	1.3	1.8	0.5	0.6	0.8	1.8	1.0	0.7	1.4	0.9
Gm6548	16.6	14.1	15.1	18.5	15.4	12.5	12.3	10.8	11.7	12.2	11.9	17.6
Gm6568	0.1	0.2	0.3	0.5	0.1	0.1	0.3	0.3	0.2	0.2	0.2	0.5
Gm6578	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Gm6583	0.1	0.1	0.0	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Gm6607	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1
Gm6623	0.5	0.5	0.5	0.8	0.7	0.8	0.6	0.4	0.4	0.7	0.9	0.7
Gm6634	1.1	0.4	0.3	0.6	0.7	0.6	0.4	0.3	0.2	0.4	0.6	0.5
Gm6642	0.3	0.1	0.5	0.0	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.1
Gm6644	100.8	73.0	57.3	112.6	88.3	82.0	66.6	62.3	56.0	75.1	78.6	61.8
Gm6654	1.3	0.9	1.3	1.9	1.4	1.1	1.0	1.7	1.3	1.0	1.1	1.3

Online Table 1

Gm6682	5.6	5.6	7.0	9.3	6.4	6.1	9.8	7.9	7.1	4.8	7.7	5.2
Gm6710	3.4	3.3	3.7	5.4	3.7	4.8	3.3	3.6	3.3	4.5	4.9	4.8
Gm6756	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6787	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Gm6793	23.2	25.4	34.7	28.8	32.1	25.4	31.4	34.1	26.0	27.1	33.7	38.5
Gm684	1.9	2.5	2.7	2.8	2.1	3.3	2.3	3.0	2.1	1.8	2.6	2.8
Gm6878	0.0	0.1	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.0
Gm6880	0.1	0.0	0.2	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Gm6904	0.7	0.5	0.3	0.9	0.5	0.5	0.0	0.1	0.0	0.6	0.2	0.3
Gm6981	0.4	0.4	0.7	0.5	0.6	0.4	0.5	0.5	0.3	0.4	0.5	0.5
Gm7030	8.2	5.0	5.7	9.0	7.6	6.6	3.0	3.0	2.9	3.1	1.9	2.8
Gm7102	2.8	3.1	2.6	2.0	3.2	2.1	3.0	2.6	2.5	2.6	1.9	2.1
Gm711	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Gm7120	8.6	8.5	11.5	9.3	8.7	6.4	13.3	9.2	11.6	10.8	9.3	10.4
Gm715	1.4	1.7	1.8	1.7	1.1	0.7	1.3	0.9	0.8	1.1	1.3	0.8
Gm7168	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1
Gm7173	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1
Gm7334	37.2	44.3	39.4	39.8	32.8	43.4	41.7	25.0	33.6	53.5	49.8	41.3
Gm7367	2.4	6.9	10.6	11.9	8.1	7.7	9.6	8.8	3.9	7.8	6.3	6.5
Gm7444	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0
Gm7609	4.1	3.9	3.6	7.0	4.1	4.3	3.1	1.9	2.0	1.8	1.9	3.3
Gm7694	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.1
Gm7854	0.2	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Gm7904	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm7977	0.2	0.2	0.2	0.6	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Gm8096	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Gm8234	0.6	0.4	0.8	0.6	0.6	0.7	0.6	0.5	0.5	0.5	0.5	0.5
Gm8300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8369	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8579	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Gm8580	0.2	0.2	0.4	0.2	0.4	0.6	0.5	1.0	0.2	0.5	0.4	0.3
Gm8615	0.4	0.3	0.3	0.4	0.5	0.5	0.3	0.3	0.2	0.4	0.3	0.3
Gm8764	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8765	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8773	0.3	0.5	0.3	0.0	0.7	0.5	0.5	0.1	0.4	0.5	0.5	0.6
Gm8787	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.1	0.0	0.0
Gm8801	0.2	0.2	0.2	0.3	0.3	0.1	0.1	0.2	0.3	0.2	0.1	0.2
Gm8817	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.2	0.1	0.1	0.0	0.1
Gm8883	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
Gm8898	4.7	4.0	4.1	5.5	4.4	5.0	3.8	4.3	3.6	4.5	5.1	4.8
Gm8909	2.7	1.8	1.8	2.7	2.7	2.1	1.3	1.0	1.0	1.1	0.7	1.1
Gm8979	3.9	2.0	2.6	6.0	3.7	1.8	2.7	1.2	2.2	1.2	2.3	3.4
Gm8989	1.2	0.6	0.9	2.5	1.2	0.7	1.0	0.5	0.8	0.4	0.9	1.3
Gm8994	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Gm9054	0.0	0.1	0.1	0.1	0.4	0.2	0.0	0.1	0.2	0.3	0.3	0.1
Gm906	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9079	0.6	0.5	0.7	1.0	0.8	0.7	0.9	0.7	1.1	0.9	0.8	1.1
Gm9159	0.7	0.9	1.3	1.0	0.6	0.8	1.1	0.7	0.8	0.5	0.8	0.7
Gm9199	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.3
Gm9268	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm960	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Gm9696	0.3	0.7	1.2	0.6	0.5	0.2	0.4	0.2	0.1	0.2	0.1	0.3
Gm9705	0.4	0.4	0.3	0.7	0.8	0.4	0.6	0.6	0.5	0.5	0.7	0.3
Gm973	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9767	0.1	0.1	0.3	0.3	0.3	0.1	1.0	0.3	0.7	0.7	0.3	0.3
Gm9776	0.9	1.2	0.8	0.8	0.9	1.0	0.9	1.1	1.0	0.8	0.9	0.9
Gm9833	1.1	1.3	1.8	0.9	1.3	1.1	1.8	1.4	1.4	1.4	1.7	1.9

Online Table 1

Gm9846	1299.3	1141.1	1048.5	912.1	1030.3	1124.1	918.1	1276.5	1166.6	1282.5	1163.1	1140.7
Gm9855	4.6	5.9	4.8	3.6	5.0	3.1	5.4	6.1	6.5	4.8	5.7	3.7
Gm9895	0.2	0.1	0.4	0.0	0.1	0.2	0.0	0.2	0.3	0.2	0.2	0.0
Gm9897	1.3	1.3	1.2	1.6	1.1	1.4	1.0	1.2	1.1	1.6	1.7	1.2
Gm9920	0.0	0.2	0.1	0.1	0.0	0.1	0.0	0.2	0.0	0.4	0.1	0.1
Gm9958	0.6	0.5	0.7	0.5	0.5	0.9	0.7	0.6	0.3	0.3	0.3	0.5
Gm996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm9961	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0
Gm9992	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Gm9994	6.2	5.0	4.5	5.5	5.1	1.5	7.2	4.7	5.2	3.8	5.2	3.4
Gmcl1	6.3	7.1	7.3	5.0	6.8	6.6	5.3	6.7	6.3	6.3	6.2	6.5
Gmcls	14.4	13.9	12.3	10.4	10.8	9.7	11.2	8.8	11.0	10.9	11.5	10.3
Gmeb1	1.7	1.7	1.6	1.7	1.7	1.5	1.8	2.0	1.9	1.8	1.9	1.9
Gmeb2	2.4	2.6	2.5	2.2	2.5	2.4	3.2	2.9	2.7	2.8	2.3	2.6
Gmfb	48.2	44.2	35.5	65.3	44.7	49.5	38.2	29.6	36.7	48.6	46.1	43.0
Gmfg	1.0	0.3	0.2	4.1	6.1	0.1	1.3	0.1	0.2	0.8	0.2	0.8
Gmip	4.6	4.4	3.6	5.8	7.2	3.4	4.2	3.4	3.9	4.4	3.8	4.0
Gmnn	4.4	7.9	9.8	4.8	9.9	3.8	10.2	4.9	8.7	5.8	6.5	5.2
Gmppa	31.6	30.9	32.3	31.8	28.3	29.9	30.1	33.9	30.6	27.3	31.8	29.6
Gmppb	16.6	15.4	12.0	15.4	15.6	14.2	15.1	15.9	16.4	14.6	16.2	16.8
Gmpr	4.7	4.7	2.8	6.1	3.5	6.0	2.3	2.4	2.6	4.4	3.2	2.8
Gmpr2	18.5	15.1	13.2	18.2	17.7	18.2	16.3	13.9	15.1	15.1	15.9	16.7
Gmps	13.3	14.1	11.8	9.3	11.7	11.8	11.5	10.0	12.5	14.7	13.3	13.1
Gna11	27.9	24.6	22.7	28.8	24.1	28.6	27.5	23.7	24.5	23.6	24.8	21.1
Gna12	34.2	35.9	29.8	36.1	35.0	36.8	39.8	30.6	35.4	30.0	35.6	30.4
Gna13	13.9	14.1	11.1	15.7	15.4	15.8	11.4	10.6	12.6	11.5	11.2	11.0
Gna14	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1
Gna15	0.4	0.4	0.3	1.3	2.3	0.2	0.5	0.1	0.2	0.3	0.3	0.3
Gnai1	5.2	5.1	5.7	5.0	5.2	3.0	6.6	4.4	7.2	6.6	6.5	7.3
Gnai2	168.9	142.6	138.9	217.2	175.9	185.2	177.6	151.8	148.6	139.9	159.1	148.3
Gnai3	52.5	55.9	50.6	53.1	52.1	53.1	49.3	49.3	56.3	50.9	58.4	56.4
Gnal	0.7	0.6	0.6	0.7	0.5	0.7	0.7	0.5	0.6	0.6	0.4	0.7
Gnao1	1.1	1.9	2.6	1.2	1.6	1.2	2.5	2.5	2.8	1.3	1.6	1.8
Gnaq	21.6	22.0	20.9	24.8	22.5	21.1	24.2	18.2	21.0	19.2	24.3	25.8
Gnas	511.8	472.8	434.1	562.9	451.8	586.6	505.8	516.4	474.5	423.6	529.3	442.0
Gnat1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gnat2	1.8	0.9	0.7	1.9	0.9	1.5	0.9	0.6	0.5	1.3	1.4	0.9
Gnaz	0.6	0.8	0.5	1.1	0.4	1.2	0.4	0.5	0.3	0.2	0.4	0.2
Gnb1	100.1	102.2	87.8	120.3	105.9	112.4	111.8	96.5	99.2	94.7	110.4	99.6
Gnb1l	0.8	0.8	0.7	0.7	0.5	0.7	0.4	0.5	0.4	0.7	0.5	0.7
Gnb2	80.9	85.2	78.1	75.9	97.9	76.3	100.1	93.0	105.8	96.0	91.9	82.4
Gnb2l1	697.0	585.2	514.7	488.8	563.6	574.7	531.0	686.0	605.8	640.6	636.3	568.2
Gnb3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Gnb4	3.4	2.2	2.7	4.0	3.3	3.7	2.7	2.4	2.8	3.0	2.3	2.6
Gnb5	9.5	8.9	7.2	9.5	7.4	10.9	7.5	7.3	6.6	7.0	6.4	6.6
Gne	16.8	18.7	16.8	15.2	16.0	17.2	17.9	15.0	15.4	15.8	16.6	16.8
Gng10	41.2	41.3	35.3	49.4	40.0	53.9	38.6	41.1	36.1	30.8	45.4	41.0
Gng11	20.9	14.6	12.8	19.4	17.6	24.7	16.0	14.9	16.3	17.9	14.5	18.9
Gng12	52.8	49.1	51.2	56.6	52.6	51.4	49.1	46.6	46.4	47.4	57.0	54.1
Gng13	0.9	1.0	1.7	0.0	0.2	1.0	0.7	0.3	0.1	0.8	0.0	0.1
Gng2	1.6	1.0	1.2	5.6	5.8	2.9	1.3	0.7	0.7	0.6	0.7	0.6
Gng3	0.3	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.1
Gng4	0.1	0.2	0.1	0.2	0.1	0.5	0.2	0.2	0.1	0.1	0.1	0.2
Gng5	120.0	138.1	166.8	212.1	184.7	195.6	167.4	187.3	189.5	212.0	230.9	197.5
Gng7	0.3	0.4	0.4	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Gng8	5.4	8.5	19.1	7.1	8.2	6.6	11.2	16.9	11.3	5.6	7.0	7.6
Gngt2	3.5	2.0	2.2	13.7	19.5	0.8	3.6	2.1	2.6	3.1	2.7	3.3

Online Table 1

Gnl1	18.3	20.1	17.5	19.7	16.1	22.6	17.8	15.6	14.8	14.0	15.7	14.8
Gnl2	21.2	16.1	17.3	21.6	17.1	18.0	19.6	17.9	16.6	32.9	26.3	25.1
Gnl3	29.6	24.0	18.5	31.3	22.9	26.9	21.1	17.9	17.8	24.2	25.9	25.1
Gnl3l	19.8	17.3	17.2	19.1	16.6	18.9	18.2	16.6	15.4	19.2	20.1	18.7
Gnpat	15.4	14.8	12.9	11.1	14.4	14.6	12.7	15.5	14.9	14.9	15.2	13.8
Gnpda1	8.0	6.1	5.0	8.6	7.6	10.3	4.3	5.8	4.5	7.7	5.9	6.6
Gnpda2	19.3	17.8	17.7	23.3	19.8	25.7	17.3	17.4	15.0	15.8	21.7	20.5
Gnpnat1	13.5	14.9	15.3	15.9	12.7	15.3	12.0	12.9	14.0	14.9	16.1	15.9
Gnptab	9.2	7.8	11.6	8.0	11.3	8.2	12.0	12.5	9.0	11.9	12.2	11.6
Gnptg	15.1	10.3	10.4	17.5	12.3	17.1	10.2	11.0	9.7	12.5	10.8	11.2
Gnrh1	0.4	0.1	0.2	0.3	0.2	0.6	0.1	0.4	0.3	0.1	0.1	0.1
Gns	103.3	72.9	64.6	124.1	102.9	114.6	73.8	60.7	62.1	76.1	68.7	80.3
Golga1	6.4	6.2	6.3	5.4	5.3	5.0	6.0	6.2	5.9	5.6	7.2	6.3
Golga2	25.6	25.5	25.3	25.6	22.8	25.6	30.1	27.8	27.3	22.5	28.3	27.1
Golga3	24.7	23.4	22.6	24.3	21.3	23.2	23.8	21.2	21.3	20.4	26.2	26.1
Golga4	34.7	28.4	24.1	44.1	27.9	42.7	26.4	19.9	19.4	24.2	29.3	28.4
Golga5	28.5	27.4	26.6	29.7	25.2	26.3	27.2	27.5	25.1	23.9	30.5	29.7
Golga7	51.6	53.5	60.0	54.9	54.0	52.0	52.3	61.3	66.4	64.3	65.3	65.2
Golgb1	39.1	35.8	33.7	45.0	32.8	44.4	34.8	28.9	26.9	31.0	38.9	38.4
Golim4	72.8	68.4	71.1	88.0	59.0	79.5	68.6	48.9	50.4	58.4	69.4	79.4
Golm1	9.7	9.1	10.1	11.4	12.9	8.0	10.7	11.1	9.7	11.7	9.6	9.8
Golph3	51.6	51.5	53.0	53.1	49.2	52.6	51.6	51.6	49.7	52.5	59.8	61.5
Golph3l	11.0	11.4	11.7	13.7	10.0	11.8	8.9	10.8	9.5	10.8	10.8	12.5
Golt1b	32.4	30.5	24.1	26.5	31.5	30.8	32.1	28.7	35.8	34.7	37.5	31.1
Gon4l	5.5	6.7	6.6	5.7	5.9	6.1	6.0	6.7	5.6	6.0	6.1	6.1
Gopc	7.4	8.9	10.2	7.3	8.6	7.0	10.1	8.6	8.7	8.3	8.9	9.6
Gorab	4.9	5.6	5.5	5.4	4.7	5.7	5.7	5.4	5.4	5.3	7.3	6.4
Gorasp1	8.7	8.1	7.5	10.4	8.8	10.0	8.3	7.3	8.1	9.3	8.4	7.9
Gorasp2	58.2	56.9	54.7	68.0	56.1	57.2	69.3	57.7	59.0	57.1	62.0	65.4
Gosr1	10.5	11.8	11.6	12.0	10.9	10.3	11.1	12.1	11.4	11.5	11.5	12.1
Gosr2	47.3	46.0	41.9	50.0	47.3	42.6	43.8	51.2	44.9	43.9	47.3	46.7
Got1	16.6	13.8	10.3	18.5	13.7	19.7	15.3	15.8	14.3	15.2	17.1	12.5
Got1l1	0.2	0.1	0.3	0.1	0.1	0.0	0.0	0.1	0.0	0.2	0.2	0.0
Got2	51.8	43.0	36.0	53.6	46.1	48.2	41.9	38.8	32.6	45.3	45.7	37.9
Gp1ba	0.5	0.5	0.4	0.4	0.4	0.8	0.4	0.3	0.3	0.6	0.5	0.3
Gp1bb	0.7	0.6	0.8	0.6	0.7	0.6	1.3	1.5	1.8	0.7	1.1	0.8
Gp49a	2.9	0.1	0.1	36.4	51.4	0.0	4.4	1.0	0.6	2.2	1.2	2.5
Gp5	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Gpaa1	10.7	11.8	8.9	9.9	10.9	10.8	11.8	12.8	11.9	9.8	9.0	7.8
Gpam	12.0	22.9	45.5	10.1	19.0	9.8	13.6	23.7	14.1	12.8	11.3	14.4
Gpank1	4.9	5.8	5.5	6.7	4.6	6.9	5.2	5.3	4.9	4.5	5.3	4.7
Gpat2	0.1	0.0	0.1	0.1	0.1	0.3	0.2	0.0	0.1	0.1	0.1	0.1
Gpatch1	5.9	5.5	6.5	5.8	4.5	5.7	6.2	5.9	4.3	5.2	5.9	6.4
Gpatch11	3.8	3.4	3.8	3.8	2.8	3.5	3.7	3.8	3.5	3.9	4.5	4.2
Gpatch2	4.7	4.4	4.2	4.3	3.9	4.6	4.5	3.9	3.8	4.2	4.8	4.3
Gpatch2l	6.0	6.3	5.4	6.2	5.8	6.1	6.4	5.4	5.5	5.6	5.8	6.1
Gpatch3	2.5	2.0	2.0	2.8	2.9	2.7	2.2	2.4	2.0	2.7	2.2	2.5
Gpatch4	9.3	6.1	6.7	14.6	7.4	9.1	9.2	6.2	3.8	5.5	8.1	7.1
Gpatch8	4.8	5.4	6.1	5.3	4.8	4.4	5.5	5.3	4.9	4.6	4.8	4.9
Gpbar1	0.1	0.1	0.5	0.4	0.1	0.1	0.4	0.5	0.3	0.3	0.3	0.1
Gpbp1	19.6	21.0	23.1	21.8	20.7	22.2	17.5	19.7	19.9	22.9	24.5	23.8
Gpbp1l1	12.2	12.9	13.2	14.8	12.7	13.4	11.4	13.1	11.9	15.8	14.4	14.0
Gpc1	5.1	3.6	3.1	4.3	3.3	5.9	4.7	6.2	5.0	6.5	6.2	6.2
Gpc2	1.0	1.2	1.0	0.8	0.7	1.0	0.8	1.1	1.3	1.6	1.0	0.7
Gpc3	0.3	0.6	2.7	0.1	0.4	0.1	0.9	2.6	4.3	16.6	8.0	6.7
Gpc4	55.0	47.8	39.7	48.6	44.7	40.9	52.5	46.1	59.2	42.3	53.7	39.1
Gpc5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Gpc6	5.8	7.3	10.7	5.2	8.7	5.4	10.2	13.9	12.2	7.9	9.0	9.7
Gpcpd1	6.8	11.8	13.3	6.2	7.1	6.6	6.0	10.0	6.6	6.8	6.9	8.0
Gpd1	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
Gpd1l	8.4	8.3	8.2	6.8	7.2	7.5	7.2	7.4	8.2	8.7	8.6	7.9
Gpd2	5.4	5.1	5.0	4.9	4.6	5.0	4.9	4.7	4.0	5.0	5.6	5.2
Gpha2	0.3	0.2	0.0	0.0	0.1	0.3	0.2	0.0	0.4	0.2	0.3	0.4
Gphn	2.6	3.3	4.5	2.0	2.6	2.1	2.4	4.1	2.6	3.2	2.9	3.2
Gpi1	107.4	92.8	83.7	126.5	105.4	116.3	104.0	102.1	93.1	106.7	105.2	100.3
Gpihbp1	0.0	0.1	0.3	0.0	0.0	0.0	0.3	1.0	0.6	0.0	0.0	0.0
Gpkow	7.9	9.5	10.3	11.0	8.4	10.5	8.4	7.7	7.1	9.1	8.9	9.1
Gpld1	2.6	3.0	2.3	2.8	2.5	2.4	2.4	2.2	2.3	1.9	2.1	2.4
Gpm6a	16.2	5.9	2.9	3.8	0.8	2.0	0.5	2.5	4.2	70.1	33.5	16.9
Gpm6b	10.7	20.9	36.9	14.7	24.2	12.0	16.7	26.1	16.4	9.9	9.2	15.3
Gpn1	11.7	10.1	8.3	11.5	9.7	11.4	9.0	9.5	9.1	10.3	10.4	9.7
Gpn2	5.2	4.3	4.4	6.1	6.7	4.3	6.5	6.8	6.8	5.6	6.1	5.3
Gpn3	7.9	8.9	8.7	8.7	7.3	8.0	7.7	8.6	7.1	8.9	8.2	7.2
Gpnmb	69.5	28.5	20.4	116.5	37.8	60.9	11.1	13.1	8.2	17.0	18.3	23.3
Gpr1	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Gpr107	24.4	22.7	21.2	25.2	21.9	24.8	20.8	21.2	22.7	21.6	21.3	21.8
Gpr108	20.9	21.3	18.9	24.3	20.6	25.1	22.5	21.2	20.4	20.8	20.2	19.5
Gpr110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gpr115	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Gpr116	1.3	0.3	0.6	0.6	0.4	0.2	0.7	1.0	0.8	0.4	0.5	0.3
Gpr123	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Gpr124	1.1	1.5	2.5	0.9	1.2	1.2	2.5	3.9	4.3	3.3	2.5	2.2
Gpr125	14.7	11.2	9.1	13.7	9.4	12.9	12.4	9.0	11.1	12.9	12.7	11.2
Gpr126	1.8	0.7	0.8	2.1	3.3	1.2	1.7	1.4	1.9	1.6	1.3	1.7
Gpr128	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr132	0.0	0.0	0.1	0.2	0.7	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Gpr133	0.9	3.1	6.5	0.6	1.3	0.5	3.3	16.6	10.6	9.3	4.9	5.8
Gpr135	0.2	0.1	0.2	0.1	0.2	0.2	0.3	0.3	0.2	0.3	0.1	0.4
Gpr137	12.5	11.9	11.9	13.9	12.7	15.2	12.1	13.8	13.4	12.5	9.9	9.1
Gpr137b	12.2	9.4	8.5	18.1	14.7	16.8	11.8	11.0	9.3	7.7	9.3	8.5
Gpr137b-ps	12.6	10.2	9.3	17.2	15.5	15.4	12.7	11.8	9.7	7.9	9.3	8.5
Gpr137c	0.6	0.5	0.3	0.3	0.6	0.6	0.5	0.2	0.4	0.5	0.5	0.4
Gpr141	0.6	0.4	0.1	1.5	0.4	0.8	0.4	0.1	0.4	0.1	0.3	0.1
Gpr143	0.4	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Gpr146	2.0	1.9	2.0	1.7	1.8	1.8	1.3	1.6	1.3	2.1	1.6	1.7
Gpr151	0.1	0.1	0.3	0.1	0.3	0.0	0.2	0.1	0.2	0.2	0.1	0.2
Gpr152	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gpr153	4.7	4.4	5.6	3.0	5.8	4.3	10.5	10.2	10.2	7.9	7.7	7.3
Gpr155	0.6	1.0	1.2	1.0	0.9	0.8	0.6	0.9	0.5	0.5	0.4	0.6
Gpr156	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
Gpr157	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.5	0.4
Gpr160	0.1	0.1	0.1	0.0	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.2
Gpr161	3.6	3.4	3.3	3.7	3.4	4.7	3.9	4.1	3.5	2.6	3.7	2.7
Gpr162	0.8	0.7	0.9	0.9	1.0	1.0	0.4	0.9	0.8	0.4	0.6	0.8
Gpr165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr17	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.2	0.1	0.1	0.2
Gpr173	0.2	0.3	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.1
Gpr176	15.8	16.0	12.9	19.1	18.2	18.2	18.8	14.7	21.1	18.0	15.8	17.6
Gpr179	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr18	0.1	0.0	0.0	0.5	0.9	0.1	0.2	0.0	0.4	0.1	0.0	0.0
Gpr180	15.7	14.7	12.7	13.5	13.9	13.9	16.2	15.2	15.1	16.3	15.2	15.2
Gpr182	0.3	0.1	0.2	0.2	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.1
Gpr183	0.0	0.0	0.1	0.2	0.8	0.0	0.1	0.0	0.0	0.1	0.0	0.1

Online Table 1

Gpr19	1.6	1.7	1.9	1.4	1.2	2.1	1.7	1.5	1.4	1.2	1.6	1.4
Gpr20	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gpr21	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2
Gpr22	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Gpr27	0.4	0.2	0.1	0.5	0.2	0.5	0.2	0.1	0.2	0.1	0.1	0.3
Gpr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0
Gpr30	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.2	0.1	0.0
Gpr31b	0.1	0.1	0.0	0.6	2.0	0.1	0.6	0.0	0.1	0.2	0.1	0.0
Gpr34	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Gpr35	1.7	0.9	0.3	3.1	2.1	3.7	2.3	0.4	0.7	0.8	0.9	1.0
Gpr37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Gpr39	25.6	20.8	20.4	23.7	21.2	19.6	32.3	22.1	30.2	35.3	31.9	38.2
Gpr4	0.2	0.3	0.4	0.1	0.3	0.3	0.3	0.5	0.1	0.3	0.1	0.2
Gpr44	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0
Gpr45	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Gpr52	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Gpr55	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr56	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	1.0	0.5	0.3
Gpr61	0.0	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Gpr62	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1
Gpr63	0.2	0.3	0.2	0.1	0.2	0.4	0.1	0.5	0.3	0.4	0.3	0.4
Gpr64	1.3	1.0	1.4	1.2	1.3	1.1	1.7	1.2	1.2	1.2	1.2	1.5
Gpr65	0.1	0.0	0.0	1.3	1.4	0.0	0.1	0.0	0.0	0.1	0.1	0.1
Gpr68	0.7	0.5	0.2	0.6	0.6	0.5	0.4	0.4	0.3	1.0	0.7	0.5
Gpr75	0.4	0.5	0.3	0.4	0.3	0.4	0.2	0.2	0.1	0.3	0.2	0.3
Gpr81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
Gpr82	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Gpr83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr84	0.1	0.1	0.0	1.6	3.5	0.0	0.7	0.0	0.2	0.3	0.0	0.3
Gpr85	0.3	0.1	0.2	0.4	0.6	0.4	0.6	0.2	0.2	0.6	0.2	0.5
Gpr88	0.2	0.3	0.9	0.1	0.2	0.1	0.2	1.3	1.2	4.3	1.8	2.1
Gpr89	11.4	11.8	9.7	11.3	10.0	11.9	9.7	11.2	9.3	10.4	11.0	9.2
Gpr97	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gpr98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gprasp1	6.5	7.9	9.3	5.9	5.0	8.0	5.2	5.8	6.2	7.0	5.9	7.2
Gprasp2	0.5	0.8	1.1	0.5	0.3	0.6	0.2	0.4	0.5	0.7	0.2	0.5
Gprc5a	2.7	1.3	0.6	3.1	1.4	1.7	1.5	0.9	1.0	1.5	1.8	0.7
Gprc5b	7.2	8.4	10.1	4.4	8.5	8.5	11.5	12.2	9.6	10.6	11.1	8.8
Gprc5c	0.1	0.1	0.0	0.3	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.0
Gprc6a	0.4	0.3	0.1	0.5	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1
Gprin1	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gprin2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.1
Gprin3	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.3
Gps1	51.2	48.1	42.0	50.8	44.3	48.5	49.3	44.4	44.8	49.5	49.3	47.8
Gps2	7.1	7.4	9.6	10.1	8.5	7.2	10.4	10.0	10.0	7.1	9.2	9.6
Gpsm1	9.6	12.1	11.1	10.2	9.4	8.9	13.8	11.0	13.5	10.9	9.8	9.9
Gpsm2	2.6	3.3	4.3	1.6	2.9	1.9	3.4	3.5	3.3	3.8	3.5	3.6
Gpsm3	4.8	5.1	5.2	12.7	12.2	7.5	5.8	4.5	4.4	4.7	5.4	4.5
Gpt	0.6	0.7	0.8	0.6	0.7	0.6	0.3	0.6	0.4	0.8	0.5	0.4
Gpt2	9.3	7.0	5.8	8.6	5.5	9.5	5.6	7.7	6.9	8.0	7.6	6.3
Gpx1	146.0	100.9	89.3	140.8	105.6	132.6	105.1	93.9	86.6	147.9	111.9	114.4
Gpx3	72.6	85.0	99.1	80.2	81.2	65.2	78.0	67.0	90.2	63.9	56.3	95.9
Gpx4	422.5	338.4	274.1	449.7	308.7	498.9	280.5	299.5	286.3	316.1	301.8	310.0
Gpx7	23.8	30.6	37.4	16.8	26.3	18.7	31.1	38.8	41.1	26.7	26.7	32.8
Gpx8	203.4	151.7	149.2	225.0	149.6	201.1	148.3	143.7	127.5	186.4	180.7	192.9
Gramd1a	16.7	15.9	15.5	14.1	16.1	15.9	17.2	16.2	18.2	14.1	14.4	13.6
Gramd1b	3.0	2.1	1.6	4.2	2.9	4.0	2.2	2.3	1.7	1.9	2.3	2.1

Online Table 1

Gramd1c	0.3	0.5	0.8	0.3	0.3	0.5	0.3	0.5	0.4	0.4	0.3	0.3
Gramd2	0.1	0.5	0.3	0.0	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0
Gramd3	6.6	7.1	6.2	6.1	6.1	6.7	5.8	7.6	6.3	6.0	7.1	6.0
Gramd4	8.9	6.9	5.5	10.6	7.2	8.6	9.8	6.6	8.0	7.2	6.9	6.6
Grap	3.8	3.3	1.8	5.4	2.4	5.0	1.9	1.8	1.8	1.0	1.1	0.9
Grap2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grasp	3.3	3.4	4.1	2.9	3.2	4.1	3.9	3.9	4.3	3.2	3.4	3.8
Grb10	40.0	35.0	33.4	35.1	25.2	40.0	27.3	43.0	34.2	55.6	57.5	31.2
Grb14	29.9	34.2	51.3	18.5	23.2	12.5	23.7	38.3	25.9	21.1	30.1	36.5
Grb2	10.0	12.2	14.1	11.1	14.6	11.8	11.6	13.0	11.8	12.8	12.2	13.1
Grcc10	57.4	58.0	54.2	52.8	55.1	70.2	37.9	54.1	48.6	67.2	54.5	46.8
Greb1	0.2	0.4	0.9	0.1	0.5	0.1	0.5	0.5	0.4	0.4	0.4	0.5
Greb1l	0.6	1.2	1.6	0.4	0.8	0.5	0.9	1.2	1.0	0.7	0.5	0.8
Grem1	0.1	0.1	0.0	0.1	0.1	0.4	0.4	0.1	0.4	10.0	8.3	4.5
Grem2	0.1	0.1	0.0	0.1	0.1	0.1	0.6	0.1	0.3	2.0	1.3	1.4
Grhl1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.3
Grhl3	0.2	0.2	0.2	0.4	0.2	0.1	0.2	0.0	0.0	0.2	0.1	0.1
Grhpr	9.7	10.5	10.0	7.8	9.1	9.5	8.4	8.1	8.6	10.4	8.8	7.3
Gria1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gria3	8.2	7.4	9.3	5.8	8.1	7.2	7.9	6.6	6.5	11.3	9.7	8.7
Gria4	3.9	1.4	0.7	0.8	1.0	0.4	1.2	0.3	1.8	2.8	1.5	1.9
Grid2ip	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grik1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grik2	0.1	0.2	0.5	0.1	0.5	0.1	0.5	0.6	0.4	0.1	0.2	0.1
Grik3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grik4	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Grik5	0.9	0.9	1.1	0.4	0.4	0.9	0.5	0.6	0.6	0.7	0.7	0.6
Grin1	0.5	0.6	0.6	0.3	0.4	0.5	1.0	0.9	0.6	0.3	0.6	0.4
Grin2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grin2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grin2d	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
Grin3a	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Grin3b	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Grina	108.2	87.7	65.1	135.7	82.5	116.8	63.9	59.1	60.8	75.2	71.7	65.9
Grip1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Grip2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gripap1	7.0	6.0	6.7	8.9	7.2	6.8	7.0	7.1	6.5	7.0	7.5	7.4
Grk1	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
Grk4	2.4	3.6	3.1	2.0	2.2	2.2	2.8	2.8	2.6	2.5	2.7	2.8
Grk5	32.9	31.5	31.0	23.9	27.0	29.9	29.5	26.1	29.0	20.7	25.6	31.8
Grk6	8.4	9.2	8.0	9.1	10.2	8.8	12.4	9.1	11.9	10.3	10.3	10.5
Grlf1	23.3	25.7	24.5	22.7	20.7	22.8	22.3	23.1	20.8	21.8	23.0	22.7
Grm1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grm3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Grm5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grm7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grn	91.2	79.6	77.9	116.3	134.4	88.8	70.8	72.9	75.4	61.4	59.7	61.0
Grpel1	16.5	14.6	12.5	15.7	14.0	16.1	13.9	13.1	13.2	14.3	16.4	13.7
Grpel2	5.2	4.0	3.4	5.3	4.3	5.1	4.4	3.5	3.6	4.0	3.9	4.2
Grrp1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Grsf1	28.4	29.3	26.8	24.0	23.4	25.3	24.9	23.5	25.4	27.3	27.7	29.3
Grtp1	1.0	0.8	0.7	0.7	0.3	0.9	0.6	0.7	0.5	1.0	0.7	1.1
Grwd1	6.7	5.7	4.5	6.6	6.6	5.9	5.9	5.3	5.1	5.7	5.1	3.7
Gsc	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.2	2.1	1.8	0.7
Gsdma	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gsdmc4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gsdmcl-ps	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Online Table 1

Gsdmd	10.9	12.9	14.4	16.6	14.4	12.1	12.3	12.3	13.3	11.0	10.7	11.6
Gse1	1.0	1.6	1.5	1.3	1.6	1.2	1.7	1.2	1.1	1.3	1.2	1.0
Gsg1	0.1	0.0	0.3	0.3	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1
Gsg1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gsg2	0.7	1.0	1.3	0.5	1.0	0.3	1.5	0.6	1.3	0.7	0.8	0.8
Gsk3a	12.9	13.3	12.0	15.0	11.8	13.2	13.2	11.9	12.3	11.6	11.4	10.7
Gsk3b	9.0	10.7	10.7	8.7	10.1	10.0	10.5	10.6	9.7	9.0	10.2	8.6
Gskip	12.4	11.3	9.4	10.2	10.5	9.2	9.3	8.9	10.3	10.8	9.4	11.3
Gsn	215.4	290.6	353.2	192.5	237.1	234.6	250.7	276.3	253.0	233.1	227.8	257.2
Gspt1	16.8	16.1	17.0	17.5	16.2	14.6	17.6	15.4	15.5	20.4	18.6	19.3
Gspt2	3.4	3.3	3.2	2.6	2.2	3.8	3.2	3.1	2.7	3.0	3.3	3.3
Gsr	17.1	13.5	13.8	24.4	22.3	20.5	15.0	16.1	13.1	12.8	12.9	15.0
Gss	19.7	15.4	9.2	22.2	18.2	24.0	11.7	10.1	9.4	15.4	13.9	11.5
Gsta1	0.9	0.5	0.5	0.8	0.7	1.1	0.2	0.6	0.1	0.1	0.1	0.2
Gsta2	0.5	0.2	0.2	0.5	0.5	0.4	0.2	0.4	0.1	0.1	0.2	0.1
Gsta3	76.4	73.1	54.0	134.0	66.7	104.7	17.9	46.2	12.5	40.6	26.8	28.4
Gsta4	4.2	7.3	8.5	5.5	9.7	15.0	2.8	20.9	4.8	47.8	23.9	12.2
Gstcd	1.7	2.4	1.9	1.5	2.0	1.9	2.2	2.1	2.2	1.5	2.6	2.1
Gstk1	8.8	10.9	10.3	7.8	8.3	10.9	9.0	8.3	8.1	6.9	8.4	7.3
Gstm1	465.0	539.6	305.3	812.7	406.7	949.2	185.8	200.8	111.9	158.5	176.7	129.0
Gstm2	257.5	266.4	285.4	330.9	222.4	281.7	244.0	277.4	206.5	196.8	236.5	218.5
Gstm3	2.6	2.4	1.7	4.7	2.7	4.1	0.9	1.1	0.4	0.7	1.2	0.9
Gstm4	15.3	16.9	13.6	16.4	10.6	20.1	10.5	9.8	11.3	8.7	10.5	9.8
Gstm5	78.5	68.2	75.7	65.0	60.9	73.0	59.0	72.7	56.8	55.5	69.9	55.0
Gstm6	6.1	5.8	3.5	6.2	3.2	5.3	1.9	1.9	1.7	2.0	3.7	2.2
Gstm7	5.3	5.4	4.3	6.1	4.3	6.8	3.7	2.6	3.0	2.9	2.5	2.4
Gsto1	162.2	85.7	54.0	174.8	118.3	139.9	120.4	62.3	65.8	148.0	125.3	90.1
Gsto2	1.6	1.5	0.9	2.8	1.0	2.7	1.1	1.1	0.8	1.4	1.2	1.4
Gstp1	105.1	97.7	82.0	120.5	80.6	162.3	57.9	77.5	59.1	75.8	67.1	64.5
Gstp2	32.3	30.3	25.2	39.0	24.2	54.2	18.2	22.8	15.1	21.3	20.6	17.9
Gstt1	11.1	15.5	27.4	6.9	10.3	10.4	12.6	25.7	15.6	10.6	12.3	13.4
Gstt2	2.4	1.8	1.5	1.5	1.3	4.2	0.9	0.9	1.1	1.5	1.2	0.8
Gstt3	4.5	6.0	6.5	3.4	3.6	4.4	3.6	4.6	3.3	5.1	5.7	4.8
Gstz1	11.8	10.9	10.4	9.5	9.1	11.0	8.3	11.7	9.1	9.0	11.4	9.4
Gt(ROSA)26Sor	2.5	3.4	2.9	2.8	2.8	2.8	2.6	3.2	3.8	3.2	5.0	4.8
Gtdc1	2.9	2.8	2.4	3.0	2.6	2.9	2.2	2.6	2.5	2.6	2.7	2.1
Gtdc2	4.5	4.3	3.4	6.1	4.5	6.3	4.9	3.1	4.7	5.2	3.4	4.1
Gtf2a1	6.1	7.1	7.3	9.4	7.9	7.7	6.8	7.5	6.5	6.9	7.7	8.1
Gtf2a1l	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Gtf2a2	23.9	26.5	24.0	23.1	24.6	26.2	23.8	26.0	25.0	27.0	27.0	27.0
Gtf2b	41.6	41.6	35.1	40.6	34.5	33.3	35.3	34.6	34.3	48.9	41.8	40.0
Gtf2e1	10.2	12.4	9.5	11.7	10.8	10.6	9.5	9.5	9.7	9.6	11.5	9.7
Gtf2e2	14.4	14.6	14.0	11.5	13.1	11.9	12.1	13.8	14.4	16.5	16.3	15.5
Gtf2f1	37.9	38.0	42.8	47.6	31.8	34.1	42.7	38.7	30.5	30.2	41.5	43.6
Gtf2f2	15.9	15.8	21.9	16.1	17.5	14.8	17.1	19.0	16.6	15.3	20.3	18.9
Gtf2h1	32.9	29.3	27.3	34.5	28.5	32.3	25.9	27.1	24.5	26.0	31.7	28.2
Gtf2h2	5.5	5.7	5.4	6.4	6.0	5.7	5.4	6.2	5.9	5.5	6.0	6.2
Gtf2h3	7.5	7.8	7.0	6.2	6.4	6.6	5.5	7.0	6.7	8.1	7.8	7.0
Gtf2h4	6.7	6.7	6.3	5.2	5.5	8.4	6.4	6.0	6.2	5.3	5.6	5.0
Gtf2h5	43.9	37.3	35.8	39.1	41.0	39.4	38.7	37.9	37.8	41.7	40.8	39.7
Gtf2i	13.4	15.0	15.3	11.6	12.2	14.0	13.3	14.9	13.7	15.6	14.0	14.2
Gtf2ird1	5.4	6.8	6.0	5.7	5.2	6.2	6.0	4.9	5.7	5.7	5.4	5.1
Gtf2ird2	1.3	1.4	1.8	1.5	1.6	1.4	1.3	1.5	1.6	1.9	1.7	1.7
Gtf3a	16.1	13.1	13.2	13.1	11.2	14.2	11.3	12.8	11.3	13.5	11.6	11.0
Gtf3c1	20.3	18.5	17.7	18.2	16.7	18.6	18.5	16.3	16.6	22.0	18.6	17.2
Gtf3c2	4.7	5.5	6.1	4.7	5.5	4.8	5.3	6.6	6.3	5.4	5.8	5.0
Gtf3c3	13.8	15.6	14.5	12.8	12.7	14.5	11.6	14.5	12.7	13.5	14.3	13.9

Online Table 1

Gtf3c4	7.4	7.8	7.2	7.3	7.0	7.5	6.9	6.6	7.0	7.0	7.3	6.9
Gtf3c5	4.2	5.3	5.2	4.0	5.5	4.3	5.6	5.9	5.0	4.6	5.0	4.6
Gtf3c6	16.4	12.8	14.5	22.2	15.2	15.8	16.4	16.8	13.0	16.2	18.2	18.0
Gtl3	13.9	13.6	14.9	15.5	13.2	16.3	16.0	17.1	14.7	16.5	15.6	15.0
Gtpbp1	7.2	7.0	6.1	7.5	6.4	7.4	6.4	7.4	7.6	6.1	7.1	6.7
Gtpbp10	7.5	7.9	7.3	8.0	6.5	8.2	6.6	5.9	5.6	6.5	7.0	6.4
Gtpbp2	9.0	9.4	10.0	8.8	9.0	9.5	8.2	10.0	11.2	8.5	9.2	7.9
Gtpbp3	3.4	3.9	3.4	3.7	3.9	3.4	3.4	3.7	3.4	3.5	3.2	3.2
Gtpbp4	35.5	33.7	30.8	35.8	30.4	34.1	31.2	25.7	24.8	32.8	34.5	33.9
Gtpbp5	6.5	6.1	5.3	7.1	5.2	7.5	5.0	5.0	5.2	6.0	6.4	5.5
Gtpbp6	4.2	4.4	3.8	4.1	3.7	3.6	4.2	4.1	5.1	4.1	3.4	3.6
Gtpbp8	9.8	10.2	10.5	10.0	9.0	8.5	8.2	10.4	11.3	10.2	12.1	11.7
Gtse1	12.4	13.8	13.8	12.5	15.4	13.7	15.9	7.6	12.0	13.3	12.8	10.7
Guca1a	2.3	0.8	0.6	2.3	1.6	1.9	1.0	1.1	0.5	0.9	1.3	1.4
Guca1b	0.3	0.1	0.2	0.6	0.4	0.2	0.1	0.1	0.2	0.2	0.2	0.2
Gucd1	5.5	6.8	6.7	5.3	6.0	4.5	6.0	7.8	7.4	5.7	5.8	6.1
Gucy1a2	2.9	4.4	4.3	3.3	4.2	2.7	5.5	2.7	4.6	4.8	6.1	4.8
Gucy1a3	2.0	6.1	11.7	1.6	2.8	1.0	3.5	9.1	14.8	5.4	4.9	14.9
Gucy1b3	6.7	10.4	16.7	7.4	8.5	8.0	12.5	11.7	24.4	7.2	9.8	18.8
Gucy2c	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Gucy2e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gucy2g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Guf1	2.8	3.3	3.5	3.1	2.8	2.9	3.3	3.5	3.2	2.9	3.2	3.1
Guk1	44.7	31.7	23.9	47.5	28.5	45.2	27.6	29.5	29.2	31.6	29.2	27.4
Gulp1	7.6	8.4	11.8	8.5	5.2	8.1	8.7	7.9	8.0	8.1	12.9	9.6
Gusb	40.6	29.4	24.0	64.3	88.4	41.2	34.2	24.8	25.4	34.4	26.6	29.6
Gvin1	2.8	1.6	6.2	9.5	7.6	1.3	7.2	0.8	4.5	1.1	5.9	4.4
Gxylt1	5.7	6.2	7.0	5.0	6.9	3.8	7.0	6.3	6.2	5.1	7.0	7.1
Gxylt2	3.8	3.2	5.6	2.3	2.9	2.3	1.7	5.8	2.7	4.6	2.9	4.1
Gyg	92.1	85.1	66.3	76.5	65.1	57.6	56.5	53.0	81.0	51.1	58.7	77.0
Gyk	2.0	1.5	1.2	2.6	3.5	1.8	2.1	1.2	1.4	1.9	1.8	1.7
Gylt1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Gypc	14.3	11.9	12.8	13.5	10.2	16.8	12.5	12.0	11.7	10.0	14.0	12.4
Gys1	8.2	9.2	9.9	7.1	8.8	8.1	11.6	10.6	10.7	9.6	9.8	9.6
Gys2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gzf1	10.1	10.8	9.3	10.0	8.8	9.9	7.9	8.1	8.1	9.7	9.3	10.2
Gzmc	0.2	0.2	0.1	0.3	0.2	0.2	0.4	0.2	0.1	0.3	0.1	0.6
Gzme	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.1	0.6	0.2
Gzmk	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gzmm	0.2	0.2	0.1	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2
H13	40.0	32.8	28.4	50.8	37.9	37.9	44.6	38.2	32.7	46.5	41.5	41.5
H19	0.3	0.6	2.0	0.1	1.0	0.1	1.5	1.2	2.0	1.2	1.4	0.9
H1f0	30.1	31.3	33.4	27.5	25.4	34.5	29.8	38.0	35.6	30.0	33.8	34.5
H1fx	0.5	0.6	0.8	0.6	0.8	0.5	0.5	1.3	1.6	1.2	0.6	1.1
H2-Aa	0.4	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0
H2-Ab1	0.5	0.4	0.1	0.9	0.8	2.0	0.8	0.1	0.2	0.5	0.3	0.3
H2afj	21.5	18.6	17.0	18.0	21.4	16.7	20.4	19.2	18.4	27.9	21.0	20.0
H2afv	8.9	10.7	14.3	8.1	10.5	11.2	11.5	12.1	11.7	11.8	12.1	11.6
H2afx	6.9	6.7	7.8	4.1	9.0	5.8	10.5	8.5	9.2	8.2	8.2	6.6
H2afy	31.8	30.2	23.6	33.5	31.1	32.4	30.0	25.8	25.7	28.5	29.5	28.6
H2afy2	4.5	4.8	7.6	3.6	3.6	5.1	4.6	6.1	5.1	4.1	4.5	4.8
H2afy3	0.2	0.3	0.1	0.1	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.1
H2afz	39.5	45.8	44.8	35.0	57.9	42.8	46.7	43.2	57.3	48.0	45.6	37.6
H2-BI	0.4	0.2	0.2	0.6	0.4	0.4	0.4	0.2	0.3	0.2	0.1	0.2
H2-D1	196.8	124.2	175.1	332.2	220.4	177.1	94.8	79.6	62.3	52.7	48.6	75.6
H2-DMa	1.8	2.0	1.4	1.9	2.6	1.9	1.9	1.3	1.0	1.5	1.5	1.0
H2-DMb1	3.2	3.3	2.7	3.9	3.7	2.8	1.4	1.6	2.2	6.0	3.4	3.4

Online Table 1

H2-DMb2	0.2	0.1	0.1	0.4	0.3	0.1	0.1	0.0	0.1	0.4	0.5	0.2
H2-Eb1	0.6	0.4	0.7	0.6	0.4	0.3	0.3	0.4	0.5	0.2	0.4	0.4
H2-K1	203.3	136.6	186.8	348.6	237.6	219.7	126.7	100.4	82.8	54.5	63.1	85.5
H2-K2	2.4	2.4	2.1	3.5	2.3	2.2	1.1	1.2	1.7	1.4	1.0	1.7
H2-Ke2	26.0	26.0	25.3	32.9	29.1	28.9	26.3	28.3	23.1	26.0	28.5	29.0
H2-Ke6	10.8	9.3	11.6	8.6	6.8	13.0	9.5	13.1	9.9	10.9	10.9	10.7
H2-L	7.0	8.5	16.2	24.2	14.6	16.4	9.0	5.9	1.2	4.3	3.1	9.2
H2-M3	4.3	4.5	4.6	3.2	4.5	4.3	4.1	4.1	4.4	3.8	3.6	3.7
H2-M5	0.1	0.1	0.1	0.2	0.0	0.2	0.1	0.0	0.1	0.0	0.1	0.1
H2-Q1	3.5	2.5	2.7	4.6	4.1	3.2	1.7	1.6	1.6	1.4	0.9	1.6
H2-Q10	1.0	0.9	0.7	1.9	1.1	1.0	0.8	0.9	0.5	0.4	0.2	0.6
H2-Q2	0.2	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
H2-Q4	14.9	10.3	13.2	31.7	19.8	15.8	11.9	6.1	6.2	5.3	6.0	7.6
H2-Q5	1.3	0.8	0.8	2.0	1.6	1.2	0.8	0.4	0.4	0.5	0.1	0.5
H2-Q6	0.0	3.0	3.2	0.2	4.3	4.3	2.2	1.9	1.8	1.4	1.1	1.7
H2-Q7	4.2	2.1	2.5	5.5	3.6	3.5	1.5	1.5	1.2	0.9	0.8	1.4
H2-Q8	5.5	0.0	1.0	6.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-Q9	0.0	0.2	0.9	0.0	0.2	0.0	0.4	0.0	0.0	0.2	0.0	0.0
H2-T10	4.6	4.5	4.1	5.7	4.4	4.5	4.1	3.7	4.0	3.3	3.3	4.9
H2-T22	17.1	16.2	12.6	16.1	16.1	16.3	11.4	15.2	16.0	14.9	16.3	15.9
H2-T23	34.4	25.4	28.4	44.3	38.0	33.1	29.0	27.8	30.0	29.5	23.5	39.1
H2-T24	1.7	1.3	1.3	2.0	1.8	1.5	2.3	1.4	1.3	1.2	1.6	1.4
H2-T3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-T9	24.1	18.6	19.4	31.0	19.6	21.8	19.6	15.9	18.5	16.9	15.8	22.8
H3f3a	104.7	108.0	141.8	130.0	125.3	117.6	99.9	144.3	115.0	133.0	133.6	130.1
H3f3b	64.6	67.6	81.8	74.9	81.8	62.4	84.5	90.8	93.7	122.9	85.4	98.9
H60b	0.4	0.2	0.3	0.6	0.3	0.1	0.1	0.0	0.0	0.3	0.3	0.0
H60c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H6pd	45.9	53.0	59.1	39.6	67.7	31.6	63.5	54.4	59.2	80.6	52.1	62.3
Hao	0.0	0.0	0.0	0.5	0.7	0.1	0.0	0.0	0.1	0.0	0.1	0.0
Habp2	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Habp4	10.8	9.0	7.9	12.6	7.1	11.3	7.9	8.2	7.6	8.2	9.7	9.4
Hace1	3.6	4.0	3.5	3.0	3.2	3.7	3.8	3.9	4.1	4.3	4.3	3.7
Hacl1	7.0	8.4	7.9	5.0	5.8	7.9	5.3	6.7	6.1	5.0	5.8	6.2
Hadh	23.8	21.3	20.0	28.5	19.0	24.9	22.3	19.8	19.8	24.5	24.6	24.5
Hadha	38.1	35.2	35.5	35.7	35.7	33.0	37.0	39.2	35.4	36.3	38.0	40.2
Hadhb	61.3	62.6	47.3	54.8	57.5	52.2	46.3	44.0	51.4	56.4	52.3	54.2
Hagh	22.1	18.8	15.4	23.9	17.1	24.5	16.8	17.2	18.1	18.8	24.0	20.3
Haghl	9.3	10.5	10.8	9.4	7.8	10.6	10.5	10.9	10.8	11.1	9.4	10.6
Hal	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
Hand2	11.3	9.5	13.2	7.8	7.5	5.9	10.0	9.6	8.2	6.2	8.6	11.5
Hap1	0.3	0.1	0.2	0.3	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1
Hapln1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hapln3	0.0	0.1	0.3	0.3	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.2
Hapln4	0.2	0.1	0.1	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Harbi1	3.1	3.7	3.0	2.7	2.7	3.1	2.6	2.9	3.5	4.1	2.9	3.3
Hars	40.9	37.8	33.6	48.8	34.8	39.7	43.7	34.1	34.5	38.1	40.4	36.2
Hars2	5.0	5.4	6.0	4.9	5.0	5.4	4.8	5.3	5.6	5.4	5.1	5.8
Has1	0.2	0.2	0.3	0.1	0.2	0.1	0.3	0.4	0.2	0.7	0.4	0.4
Has2	2.2	1.6	1.9	2.0	4.3	0.7	4.2	4.0	6.6	3.8	4.0	4.6
Has2as	0.9	0.3	0.4	1.0	1.0	0.0	0.8	0.7	1.5	0.9	1.3	0.1
Has3	0.2	0.3	0.3	0.1	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3
Hat1	10.3	14.7	17.2	7.8	16.1	8.4	14.6	11.2	14.4	11.9	12.9	12.3
Haus1	12.7	11.3	10.5	8.4	9.7	11.3	8.9	10.0	8.7	8.9	11.0	9.8
Haus2	7.1	7.0	5.9	6.9	5.9	6.2	5.3	5.5	5.7	5.5	6.1	4.8
Haus3	5.6	9.2	10.6	6.9	9.1	6.7	10.7	8.4	9.7	9.7	10.1	10.0
Haus4	2.5	3.4	4.1	2.4	3.4	2.5	5.1	3.4	3.4	2.6	3.5	2.4

Online Table 1

Haus5	1.4	2.1	2.3	1.4	2.1	1.3	2.0	1.9	2.1	1.3	1.7	1.3
Haus6	3.7	4.9	4.3	2.5	5.5	2.5	4.1	3.2	3.9	3.2	4.1	3.4
Haus7	13.5	13.4	13.1	11.0	10.8	10.5	13.8	14.5	14.3	8.6	12.9	11.7
Haus8	6.0	5.5	5.6	8.1	9.7	6.3	6.1	5.2	5.9	5.1	5.9	4.5
Havcr2	0.4	0.0	0.1	1.6	3.9	0.1	0.7	0.1	0.1	0.2	0.1	0.3
Hax1	67.8	59.8	57.0	71.0	53.0	65.4	52.8	65.1	56.7	49.1	55.9	54.1
Hbegf	12.4	6.4	5.8	10.0	8.8	8.3	10.7	4.4	7.6	11.9	9.9	10.4
Hbp1	40.0	44.6	48.4	40.0	38.5	39.3	35.9	45.2	43.0	48.5	44.1	51.0
Hbs1l	42.7	36.3	28.0	35.4	28.0	40.6	26.9	25.9	29.0	31.1	32.8	29.8
Hc	0.3	0.2	0.3	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.2
Hccs	10.5	11.4	12.8	11.2	9.4	8.6	9.6	10.2	8.9	6.9	10.1	9.7
Hcfc1	6.3	7.5	7.7	6.5	7.1	6.2	8.6	8.2	7.8	6.3	6.6	6.1
Hcfc1r1	25.5	28.8	36.6	28.3	19.2	36.4	27.5	47.0	30.6	30.7	34.4	33.3
Hcfc2	11.1	11.9	10.6	10.4	9.8	9.6	9.7	9.9	11.6	9.5	10.1	10.9
Hck	3.2	1.5	1.2	6.8	11.8	0.7	2.7	0.6	1.2	2.3	1.5	2.3
Hcls1	3.9	0.4	0.5	25.1	58.3	0.4	9.1	1.0	2.0	4.3	1.2	3.1
Hcn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hcn2	1.5	1.3	1.0	1.2	1.0	2.3	1.6	0.8	1.3	1.1	0.9	1.3
Hcn3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Hctr1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Hcst	0.0	0.0	0.0	0.5	0.7	0.0	0.2	0.0	0.1	0.0	0.0	0.0
Hdac1	17.0	18.6	24.8	16.2	20.2	16.1	20.9	24.6	20.2	20.5	20.6	23.9
Hdac10	2.3	2.7	2.8	2.2	2.3	2.0	2.6	2.7	3.0	2.5	2.8	2.0
Hdac11	7.1	5.5	6.7	7.3	4.1	9.4	4.7	4.4	4.2	5.1	4.7	5.2
Hdac2	45.8	44.1	44.4	41.0	36.1	40.0	45.5	42.5	37.8	42.6	51.2	47.5
Hdac3	25.7	23.7	24.0	23.2	20.1	25.9	22.6	25.0	21.5	20.0	23.1	23.6
Hdac4	3.3	4.0	3.6	4.0	3.6	3.3	3.0	3.2	3.2	3.2	3.0	2.8
Hdac5	12.4	15.3	13.3	13.7	10.4	14.2	10.3	13.8	13.0	10.6	10.7	12.0
Hdac6	3.3	3.8	4.1	3.3	3.4	3.2	3.4	4.4	3.8	4.7	3.4	3.8
Hdac7	8.1	12.4	11.6	6.1	8.7	8.5	11.7	13.4	12.5	9.0	9.9	7.9
Hdac8	5.3	5.1	5.9	5.4	4.8	4.9	4.1	6.2	4.0	6.3	6.5	5.2
Hdac9	0.1	0.1	0.0	0.2	0.5	0.1	0.2	0.1	0.0	0.1	0.1	0.1
Hdc	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Hddc2	14.0	8.6	10.1	12.3	8.7	14.2	12.5	7.5	7.2	9.8	11.7	8.1
Hddc3	4.0	5.0	4.9	3.4	2.5	5.9	3.6	5.8	4.2	4.3	4.3	4.4
Hdgf	83.7	79.9	81.0	94.5	72.5	80.5	81.8	88.1	68.3	70.4	87.1	69.7
Hdgfrp2	22.3	26.3	27.9	25.2	20.6	24.3	26.0	22.9	21.9	21.4	24.4	25.4
Hdgfrp3	3.5	4.6	7.0	3.4	3.6	4.4	4.8	5.2	3.9	4.4	5.1	5.5
Hdhd2	20.3	18.4	17.2	22.9	18.1	21.9	18.3	16.6	17.1	18.4	20.2	18.8
Hdhd3	1.6	1.8	2.1	0.7	2.2	1.7	1.5	1.8	1.8	3.1	1.4	1.3
Hdlbp	119.7	109.3	116.4	116.5	108.0	107.4	115.0	135.2	105.9	110.2	136.9	136.7
Hdx	0.4	0.5	0.6	0.2	0.5	0.4	0.5	0.6	0.5	0.6	0.7	0.5
Heatr1	5.9	5.7	4.8	5.5	6.9	6.2	5.1	5.5	5.0	5.2	5.7	4.6
Heatr2	3.7	3.3	3.1	4.1	3.0	4.0	3.6	3.1	2.6	2.6	3.0	2.5
Heatr3	11.6	10.2	9.1	11.3	10.1	9.0	11.6	11.2	10.7	12.5	11.2	10.6
Heatr5a	12.5	14.0	12.5	13.2	14.0	12.9	13.0	15.0	13.8	11.9	14.0	12.5
Heatr5b	9.6	10.6	9.6	9.6	8.5	10.3	8.7	8.9	8.4	9.4	9.0	8.6
Heatr6	5.8	6.1	5.2	5.2	6.2	5.4	5.6	4.9	5.4	4.9	5.7	4.8
Heatr8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hebp1	17.5	14.0	15.4	14.1	11.9	16.2	13.8	12.0	14.8	11.4	15.7	17.3
Hebp2	12.4	10.1	9.1	10.5	6.7	11.3	7.7	9.3	9.1	9.8	9.3	9.0
Heca	10.5	10.5	9.7	10.6	10.1	12.5	10.8	8.4	9.5	11.8	12.0	11.9
Hectd1	29.5	30.7	30.6	25.8	27.8	25.9	28.8	33.3	31.1	33.0	32.3	34.3
Hectd2	0.5	1.0	0.9	0.5	0.9	1.0	1.0	0.7	0.7	0.7	0.9	1.0
Hectd3	8.2	7.8	7.9	9.1	7.4	10.3	6.8	7.0	7.5	7.8	7.5	7.9
Hecw1	0.4	0.4	0.4	0.4	0.4	0.7	0.8	0.6	0.7	0.5	0.8	0.5
Hecw2	0.4	0.2	0.4	0.4	0.5	0.3	0.3	0.2	0.2	0.6	0.5	0.7

Online Table 1

Heg1	99.6	135.6	161.3	54.6	108.9	40.8	146.9	122.1	106.2	86.3	133.2	129.0
Helb	2.6	3.1	3.6	2.9	3.3	2.7	2.5	3.3	2.7	2.6	2.8	2.9
Hells	2.2	3.5	5.4	1.1	4.2	1.2	5.0	3.3	4.0	2.6	4.0	3.2
Helq	2.1	2.2	2.1	2.1	1.9	1.8	1.8	1.7	1.7	2.1	2.1	1.7
Helz	3.0	4.0	3.9	3.3	3.0	3.2	3.7	3.3	3.2	3.0	3.2	2.9
Helz2	3.2	3.3	4.1	3.1	3.7	2.8	3.2	2.6	3.0	2.3	2.2	2.7
Hemk1	1.9	1.9	1.7	1.5	1.3	2.0	1.3	1.2	2.5	1.9	1.2	1.7
Henmt1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
Hepacam	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Heph	5.2	9.5	13.7	3.8	7.7	3.9	2.7	11.4	2.4	2.2	2.2	3.5
Heph1	1.1	2.0	1.6	0.4	1.3	0.3	3.0	5.8	1.9	1.3	4.6	1.9
Herc1	6.9	6.8	6.1	6.8	7.1	5.9	6.2	6.0	5.9	5.4	6.1	5.7
Herc2	15.1	15.1	13.7	14.0	14.8	14.2	15.4	13.9	13.7	11.9	14.0	13.4
Herc3	0.7	0.6	0.4	1.0	1.6	0.8	0.7	0.4	0.6	0.5	0.3	0.7
Herc4	8.7	9.5	9.5	8.5	8.9	8.4	8.6	8.1	9.5	9.3	9.3	8.3
Herc6	3.9	3.9	4.1	4.3	4.1	3.7	3.4	2.3	3.0	2.8	3.7	4.0
Herpud1	54.5	43.0	38.4	60.6	43.0	55.0	41.1	54.6	49.3	41.1	52.6	40.1
Herpud2	9.1	11.3	9.6	10.0	9.6	10.2	11.2	9.4	11.4	8.7	11.0	10.3
Hes1	17.3	17.7	22.7	13.4	16.6	12.4	20.7	27.5	26.0	21.0	24.7	25.9
Hes3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hes6	6.9	7.3	6.6	5.9	6.2	5.6	7.7	7.8	9.2	9.6	7.4	8.6
Hes7	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.2	0.1
Hexa	151.3	94.2	92.4	223.8	168.6	212.5	102.4	88.2	92.5	136.3	105.8	134.8
Hexb	54.1	43.1	42.7	70.5	90.5	58.3	35.3	40.4	42.9	43.7	39.3	49.8
Hexdc	1.2	0.8	0.7	0.7	0.6	1.2	0.7	1.0	0.7	1.2	0.8	0.8
Hexim1	5.9	6.6	8.2	7.1	7.1	7.4	6.9	7.5	7.2	8.3	6.2	7.2
Hexim2	0.7	0.9	0.9	0.6	0.4	0.7	0.5	0.7	0.7	0.4	0.4	0.5
Hey1	0.4	1.1	1.3	0.3	0.4	0.2	0.3	0.5	0.5	0.5	0.5	0.5
Hey2	1.0	1.4	2.1	0.5	1.2	0.4	2.2	2.2	2.6	1.3	2.6	1.7
Heyl	0.1	0.2	0.4	0.1	0.2	0.1	0.2	0.8	0.8	0.3	0.2	0.5
Hfe	4.0	3.1	3.2	6.6	4.1	5.5	1.2	3.8	1.6	2.0	1.7	1.9
Hfm1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hgd	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Hgf	0.8	0.9	1.7	0.5	1.1	0.2	0.9	0.9	0.9	2.2	1.4	2.2
Hgfac	0.1	0.0	0.1	0.2	0.1	0.1	0.3	0.0	0.0	0.1	0.1	0.1
Hgs	22.6	23.3	20.6	24.0	22.2	23.4	27.1	22.6	22.7	21.9	23.5	20.2
Hgsnat	28.2	26.7	22.6	28.3	38.2	28.9	26.1	24.3	24.2	26.2	23.3	24.0
Hhat	1.6	1.6	1.4	1.3	1.6	1.3	2.2	2.8	2.5	2.0	2.2	1.8
Hhatl	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Hhex	0.1	0.0	0.0	0.8	0.8	0.0	0.1	0.1	0.0	0.2	0.1	0.0
Hhipl1	1.3	1.8	1.6	1.6	1.4	2.2	2.0	2.3	2.3	1.7	1.8	2.0
Hhipl2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Hiat1	13.6	15.1	14.7	14.1	16.0	13.2	16.8	15.8	18.6	15.3	17.0	16.4
Hiatl1	19.9	19.2	17.2	20.3	20.4	19.1	19.8	16.9	19.2	18.0	21.1	19.8
Hibadh	33.0	35.5	29.9	34.9	31.2	37.1	27.3	29.8	31.7	33.1	31.2	31.2
Hibch	14.4	13.9	12.8	11.5	9.6	13.5	9.9	11.0	10.2	11.6	11.9	12.4
Hic1	4.4	5.8	7.0	3.4	6.5	4.4	9.1	10.1	11.4	6.5	5.4	7.1
Hic2	0.1	0.2	0.2	0.1	0.3	0.1	0.2	0.3	0.2	0.3	0.2	0.2
Hid1	1.5	0.5	0.6	1.0	0.3	1.3	0.4	0.9	0.6	1.5	1.0	1.0
Hif1a	38.3	37.6	50.8	37.8	43.8	31.1	48.6	54.7	51.6	45.3	50.8	68.7
Hif1an	4.9	5.5	4.9	4.8	5.2	4.1	4.6	5.2	5.4	5.0	4.6	4.9
Hif3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Higd1a	24.3	19.2	16.8	22.1	19.7	21.8	19.6	15.0	21.0	20.8	18.6	18.4
Higd2a	90.9	86.4	80.2	107.8	91.4	92.8	89.3	86.1	80.3	97.1	98.1	86.8
Hilpda	7.8	6.6	4.3	8.1	6.7	6.2	6.2	6.1	6.1	9.6	5.9	8.0
Hils1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.2
Hinfp	4.1	4.2	3.8	3.8	4.3	3.7	5.0	4.1	4.6	4.6	4.5	4.3

Online Table 1

Hint1	194.3	170.1	142.9	199.6	176.6	217.4	173.5	168.4	160.7	175.7	191.7	167.5
Hint2	18.6	14.1	11.1	16.3	12.4	20.7	13.1	10.3	14.5	12.2	12.2	13.1
Hint3	14.3	14.4	11.1	7.8	12.5	14.2	7.2	11.2	12.8	12.3	11.3	10.8
Hip1	14.9	20.3	20.8	12.5	15.2	12.3	17.2	21.7	16.8	12.6	17.1	16.5
Hip1r	2.3	2.2	2.0	1.9	1.7	2.1	2.6	2.2	1.9	2.1	2.2	2.1
Hipk1	22.1	24.4	23.0	29.1	24.9	26.9	22.0	16.6	18.2	18.0	19.4	18.6
Hipk2	3.7	3.1	3.2	6.5	3.4	4.0	3.2	2.1	1.8	2.6	3.0	2.3
Hipk3	38.5	43.1	40.1	51.5	38.2	44.6	38.4	32.3	34.7	31.6	38.0	37.3
Hipk4	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.1
Hira	2.3	2.0	2.3	2.1	2.3	2.1	2.1	2.4	2.3	2.2	2.3	2.2
Hirip3	1.8	2.3	3.9	1.8	2.2	2.3	3.5	2.6	2.1	1.6	2.4	2.2
Hist1h1a	3.8	4.9	10.1	2.2	7.5	1.3	15.6	12.3	11.4	12.9	10.6	7.6
Hist1h1b	4.4	3.8	8.2	3.4	6.7	4.3	12.5	8.7	10.1	11.9	7.0	7.6
Hist1h1c	99.5	121.6	95.2	87.8	82.1	98.1	80.3	85.6	99.9	138.6	89.8	105.9
Hist1h1d	5.5	5.9	6.6	4.1	4.4	3.7	6.9	7.6	10.6	18.3	8.0	8.6
Hist1h1e	19.2	17.3	20.6	16.0	15.7	16.3	20.1	23.3	24.8	35.3	20.1	21.6
Hist1h1f	0.4	0.2	0.6	0.0	0.1	0.3	0.3	0.4	0.7	1.1	0.1	0.3
Hist1h2ab	9.1	7.4	13.7	3.8	11.7	4.1	22.9	20.3	21.9	20.9	17.0	13.2
Hist1h2ac	1.5	1.4	2.4	1.2	1.9	0.9	3.6	3.1	3.6	5.1	2.6	2.6
Hist1h2ad	8.1	7.0	12.9	4.3	9.7	2.8	20.9	18.5	17.8	19.4	14.0	11.1
Hist1h2ae	3.9	3.1	6.5	2.2	5.1	1.5	9.2	10.1	8.6	10.7	7.7	5.5
Hist1h2af	6.9	5.5	11.6	3.4	8.9	2.2	15.3	13.4	12.6	13.5	9.8	7.8
Hist1h2ag	9.2	5.9	12.3	4.6	9.6	2.6	21.8	20.6	18.5	20.3	14.0	10.7
Hist1h2ah	8.4	7.2	13.9	4.5	10.3	2.9	20.6	19.7	19.5	20.8	14.8	11.6
Hist1h2ai	8.2	7.1	12.3	4.5	10.4	2.9	20.9	18.1	18.0	18.9	14.0	11.6
Hist1h2ak	5.2	2.3	8.2	2.2	5.9	0.7	11.1	12.2	10.9	9.8	10.1	6.1
Hist1h2an	6.6	6.0	10.5	3.1	8.1	2.0	15.5	14.7	16.0	15.9	10.3	9.4
Hist1h2ao	3.8	5.0	10.3	3.3	7.7	2.1	14.5	15.5	14.2	16.8	11.6	8.9
Hist1h2ap	3.2	0.0	0.2	0.0	0.2	0.5	3.1	0.0	1.4	0.2	0.0	0.0
Hist1h2ba	29.7	26.9	22.6	20.1	27.2	19.6	25.3	26.4	29.0	36.2	25.5	20.9
Hist1h2bb	21.7	21.5	31.5	10.4	30.3	9.0	43.4	39.3	46.7	41.1	32.2	26.4
Hist1h2bc	255.4	246.3	217.0	252.6	228.3	211.1	202.4	204.9	211.5	262.0	247.7	248.8
Hist1h2be	6.7	7.1	6.9	7.5	8.3	5.8	8.2	8.0	8.8	12.1	8.5	7.5
Hist1h2bf	37.0	38.6	31.4	35.3	42.5	38.9	34.2	36.5	48.4	50.9	36.9	36.7
Hist1h2bg	43.7	51.2	47.7	39.0	50.9	37.0	49.2	50.2	57.5	69.5	51.2	46.6
Hist1h2bh	37.9	42.0	37.4	28.7	39.9	26.3	33.3	34.1	41.6	42.2	38.0	33.1
Hist1h2bj	41.1	35.5	36.4	25.8	41.7	25.5	41.1	41.7	46.2	52.1	36.5	31.8
Hist1h2bk	39.4	36.6	36.6	27.6	46.4	23.4	47.0	46.5	56.8	57.4	41.3	35.1
Hist1h2bl	30.8	29.1	27.2	23.1	33.0	21.6	31.5	32.4	34.8	38.5	30.2	25.3
Hist1h2bm	8.8	9.6	10.3	6.5	12.1	6.5	12.2	12.2	11.8	15.9	12.4	8.7
Hist1h2bn	27.8	27.6	30.2	19.7	33.4	14.9	41.1	37.4	43.4	46.9	31.9	25.6
Hist1h2bp	14.0	14.4	13.6	10.1	16.5	9.7	15.7	15.6	17.8	19.1	14.7	12.1
Hist1h2bq	7.0	6.5	6.5	5.5	7.0	5.0	7.2	7.1	8.0	9.7	6.6	5.8
Hist1h2br	7.0	6.5	6.2	5.3	6.8	5.0	6.9	6.9	7.8	9.2	6.7	5.6
Hist1h3a	6.0	6.8	12.3	2.8	9.0	1.8	15.4	15.4	16.4	17.7	11.4	9.1
Hist1h3b	10.8	10.9	23.1	6.6	18.2	5.4	31.3	31.8	33.3	33.5	21.5	18.5
Hist1h3c	8.7	8.0	16.1	4.4	13.2	2.2	23.8	20.7	22.5	17.7	16.5	11.4
Hist1h3d	10.2	9.3	18.3	5.8	13.8	4.8	22.2	26.7	22.2	24.1	17.4	16.2
Hist1h3e	7.8	6.6	13.0	5.9	9.7	3.9	19.7	19.3	18.2	28.3	13.7	11.7
Hist1h3f	5.4	7.0	11.6	4.2	9.7	2.9	16.8	15.5	14.4	15.0	11.5	10.7
Hist1h3g	5.1	6.0	10.3	3.4	8.2	2.0	17.0	16.0	14.7	15.4	12.3	10.9
Hist1h3h	11.2	11.5	22.0	6.2	17.6	4.8	27.8	31.0	31.0	34.9	21.2	20.6
Hist1h3i	11.7	11.6	23.6	6.7	16.7	4.5	31.1	32.1	31.8	38.6	19.9	23.0
Hist1h4a	31.4	40.3	58.4	19.3	50.1	23.2	61.7	63.7	65.4	66.5	50.1	47.0
Hist1h4b	28.6	37.7	55.8	19.5	46.4	23.2	64.9	59.8	68.1	60.5	49.3	46.1
Hist1h4c	52.6	69.9	92.9	39.2	75.2	35.8	98.0	102.1	126.9	110.5	82.4	89.2
Hist1h4d	49.5	61.8	94.3	31.4	63.0	44.6	96.9	126.4	116.3	103.0	78.1	77.9

Online Table 1

Hist1h4f	18.4	21.2	38.1	13.2	30.4	7.7	47.3	46.8	43.5	40.0	31.9	24.6
Hist1h4h	49.7	65.1	85.5	38.8	72.1	44.2	83.1	97.9	104.9	90.4	78.9	70.4
Hist1h4i	22.5	26.7	34.8	22.4	30.2	18.3	33.4	36.3	39.1	45.9	31.3	35.6
Hist1h4j	29.5	40.3	55.2	21.2	43.0	22.4	60.0	55.6	68.4	59.3	47.4	42.4
Hist1h4k	29.5	39.3	54.9	18.6	44.1	21.9	58.2	59.2	66.0	58.9	45.8	40.8
Hist1h4m	43.4	44.3	48.8	30.3	49.6	33.4	46.7	79.4	72.0	82.8	54.2	64.1
Hist1h4n	15.3	15.2	19.3	12.7	23.0	12.9	21.3	27.4	32.1	29.1	21.8	27.3
Hist2h2aa1	13.7	11.4	11.8	10.2	13.0	9.2	16.1	17.5	18.8	22.7	16.5	15.6
Hist2h2aa2	0.2	0.5	0.2	0.7	0.5	0.3	1.9	0.5	0.4	0.8	0.8	1.3
Hist2h2ab	0.9	0.5	1.2	0.4	1.2	0.8	1.2	1.6	1.8	2.0	1.6	1.3
Hist2h2ac	3.2	2.1	6.5	6.5	7.6	1.1	9.5	8.2	10.3	11.1	6.1	5.6
Hist2h2bb	7.0	7.0	14.2	3.5	14.5	4.1	24.2	22.7	23.8	17.3	21.0	14.1
Hist2h2be	0.7	0.7	0.5	0.9	0.6	0.7	0.6	0.5	0.5	0.8	0.8	0.7
Hist2h3b	1.9	1.3	3.4	2.3	3.1	2.0	5.3	5.0	3.6	4.4	3.5	2.2
Hist2h3c1	2.3	2.0	3.6	3.1	4.0	3.1	4.9	5.3	4.7	4.9	5.2	4.7
Hist2h3c2	3.0	3.5	3.2	3.7	3.9	2.5	5.1	5.5	5.4	4.8	5.5	4.8
Hist2h4	6.9	5.5	10.0	5.5	7.6	2.5	8.7	13.9	12.7	12.5	10.9	9.4
Hist3h2a	6.3	4.6	5.1	7.0	6.0	6.8	4.3	5.5	4.9	6.8	6.1	6.8
Hist3h2bb-ps	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1
Hist4h4	0.7	1.1	1.3	0.9	0.8	0.7	1.1	1.6	2.2	2.1	1.2	1.6
Hivep1	8.6	8.6	7.7	12.9	8.7	11.5	8.3	4.9	5.5	5.4	7.1	6.1
Hivep2	4.8	5.7	6.4	4.7	6.1	5.3	5.8	5.3	4.9	4.3	4.6	4.8
Hivep3	0.2	0.3	0.4	0.2	0.3	0.1	0.5	0.3	0.3	0.2	0.3	0.3
Hjurp	1.3	1.7	2.2	0.8	1.9	1.1	2.1	1.6	2.4	1.6	2.2	1.7
Hk1	23.9	20.8	21.1	29.6	24.0	29.3	27.6	19.6	19.9	19.2	20.7	20.4
Hk2	6.5	5.4	5.1	5.3	7.2	3.9	5.8	4.4	5.4	6.8	6.3	6.5
Hk3	0.7	0.1	0.1	6.6	8.4	0.0	0.8	0.1	0.1	0.5	0.1	0.2
Hlcs	2.9	3.0	3.0	2.7	2.8	3.2	2.5	2.8	2.4	3.1	2.9	2.4
Hlf	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hltf	13.7	13.9	13.8	13.7	12.9	13.6	11.7	11.4	11.8	13.8	14.2	16.0
Hlx	0.7	0.9	1.4	1.9	2.7	1.3	1.3	1.3	1.8	2.4	1.3	1.1
Hmbox1	6.1	6.5	5.7	5.6	5.2	5.2	5.2	4.8	4.7	5.5	5.5	4.9
Hmbs	12.5	13.1	12.2	11.4	11.9	12.0	11.8	15.6	12.5	13.3	14.0	11.8
Hmcn1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0
Hmg20a	9.0	10.4	10.3	9.5	8.0	10.7	9.4	9.8	8.8	8.3	9.2	8.4
Hmg20b	12.3	15.7	13.5	13.3	13.4	13.9	14.5	14.4	14.5	15.0	15.1	13.1
Hmga1	3.1	3.6	0.9	7.3	8.7	6.6	6.5	4.3	4.5	5.5	2.2	5.2
Hmga1-rs1	10.5	3.2	4.4	12.0	12.0	12.5	6.9	2.4	1.1	6.2	10.1	2.7
Hmga2	0.5	0.3	0.3	0.5	0.4	0.6	0.6	0.5	0.4	2.0	1.4	1.1
Hmga2-ps1	0.8	0.3	0.6	1.5	2.0	0.3	0.6	0.5	0.2	0.2	0.1	0.5
Hmgb1	66.3	71.9	109.1	86.5	68.6	73.1	81.5	81.0	68.0	75.5	82.8	94.6
Hmgb1-rs17	0.4	0.7	1.1	0.7	0.5	0.7	0.9	0.8	0.5	0.8	0.6	1.0
Hmgb2	2.5	4.3	9.2	1.5	5.4	1.7	8.6	4.9	5.7	4.0	6.2	5.2
Hmgb3	1.1	1.5	2.0	1.0	1.7	1.0	1.5	1.7	1.2	1.8	2.1	1.3
Hmgcl	9.1	8.8	7.8	7.4	10.7	8.5	7.9	7.9	7.7	11.0	8.5	7.0
Hmgcl1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.0
Hmgcr	14.2	17.2	14.8	7.7	14.2	8.4	23.0	27.4	23.4	11.4	22.3	12.5
Hmgcs1	30.1	44.0	47.0	14.6	24.7	21.7	66.7	96.1	64.1	19.9	67.0	30.2
Hmgcs2	1.0	0.8	1.6	0.6	0.6	1.0	0.3	0.9	0.2	0.8	0.5	0.9
Hmgn1	156.0	151.9	151.8	140.0	114.4	152.7	125.9	133.5	135.9	185.8	160.8	153.7
Hmgn2	24.1	31.9	47.7	21.9	28.4	24.5	31.5	42.4	33.5	30.7	31.4	33.0
Hmgn3	32.9	33.2	45.9	36.4	31.1	37.8	43.0	40.2	32.7	30.3	44.3	42.1
Hmgn5	3.2	4.8	8.6	5.0	3.3	2.4	4.9	4.7	2.1	2.1	4.9	4.0
Hmgxb3	7.2	6.8	5.9	6.1	6.8	7.0	7.3	6.9	7.0	7.0	6.6	6.0
Hmgxb4	6.1	7.0	7.8	5.8	5.8	6.2	5.9	6.7	6.4	6.3	7.3	7.7
Hmha1	1.9	2.1	1.8	5.0	7.4	1.3	1.6	0.9	1.0	3.9	2.4	1.8
Hmmr	3.0	6.7	12.3	1.1	8.9	1.2	11.7	3.9	9.2	4.3	8.7	6.8

Online Table 1

Hmox1	332.1	258.9	150.3	617.9	326.1	686.4	181.4	132.0	97.8	293.1	194.0	159.2
Hmox2	18.0	18.8	20.3	19.5	21.1	17.7	20.3	17.8	18.2	20.2	20.1	24.7
Hn1	47.9	39.6	33.9	46.1	48.3	43.9	46.5	38.2	45.6	42.7	45.9	36.3
Hn1l	15.3	15.2	15.7	17.9	21.0	15.8	20.1	15.7	17.0	15.8	20.0	14.6
Hnf1a	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hnmt	0.9	0.5	0.7	0.9	1.8	0.5	0.6	0.4	0.2	0.3	0.2	0.3
Hnrnpa0	17.8	15.3	18.1	14.1	18.7	17.0	19.9	21.4	23.7	26.1	18.0	21.5
Hnrnpa1	5.0	7.3	7.9	5.7	8.9	6.4	7.5	9.2	14.1	12.6	11.7	9.1
Hnrnpa2b1	70.5	73.9	94.5	75.6	81.8	64.6	71.5	80.3	69.0	76.5	77.1	88.4
Hnrnpa3	9.8	11.7	11.4	9.2	11.2	9.9	9.6	8.6	10.7	10.5	10.7	11.9
Hnrnpab	91.7	76.3	84.7	97.4	77.0	77.8	92.7	84.6	76.6	88.2	92.7	93.9
Hnrnpc	58.8	68.9	75.4	58.4	61.7	67.3	57.6	64.6	53.1	67.6	69.4	69.2
Hnrnpd	0.8	1.1	1.3	0.9	1.3	0.8	1.3	1.1	1.1	1.6	1.3	1.2
Hnrnpf	100.6	94.0	96.6	111.1	101.6	101.9	103.3	97.1	90.3	97.6	106.9	102.3
HnrnpH1	40.1	47.7	63.1	46.3	46.9	36.5	61.9	61.4	62.4	54.0	63.0	60.0
HnrnpH2	32.8	33.4	41.7	41.7	33.7	34.3	34.9	34.1	32.4	35.6	39.6	46.5
HnrnpH3	4.1	5.1	7.0	5.5	3.7	6.5	4.9	4.5	4.3	4.4	4.6	6.2
Hnrnpk	228.1	216.7	208.6	218.8	216.6	212.2	209.6	217.4	199.7	214.2	233.6	222.2
Hnrnpl	47.8	52.0	54.1	44.2	51.5	41.7	54.4	68.0	57.5	57.5	54.9	55.9
Hnrnpm	33.6	34.0	41.2	41.6	38.4	33.7	39.6	40.9	32.9	35.4	40.0	42.0
Hnrnpr	21.6	20.9	28.4	22.5	20.2	21.7	26.3	30.4	23.8	23.1	26.6	29.9
Hnrnpu	73.4	76.5	86.6	73.4	80.6	63.8	85.2	89.5	78.3	86.6	91.9	97.6
Hnrnpul1	34.6	32.9	38.3	35.0	30.4	32.3	38.5	39.8	33.0	35.5	38.8	39.0
Hnrnpul2	10.5	11.6	13.6	10.4	11.4	10.1	12.3	12.9	11.0	12.7	12.5	14.4
Hnrpdl	11.3	12.9	17.9	13.7	12.7	12.9	20.1	15.3	17.9	16.7	18.7	18.7
Hnrpll	12.3	13.8	15.0	11.7	11.7	12.8	12.6	13.4	14.0	13.4	13.6	14.5
Hoga1	1.1	1.0	1.4	1.2	0.9	1.0	1.0	1.0	1.0	0.5	0.7	0.9
Homer1	2.6	2.2	2.2	2.0	2.6	2.6	3.2	2.4	2.6	4.5	3.6	3.0
Homer2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Homer3	17.2	14.5	12.8	19.0	16.3	18.3	16.9	11.6	13.8	17.9	14.5	15.6
Homez	1.4	1.6	1.4	1.0	1.0	1.2	1.0	1.2	1.1	1.1	1.1	1.1
Hook1	0.1	0.2	0.2	0.0	0.2	0.2	0.1	0.1	0.0	0.2	0.0	0.2
Hook2	3.8	4.4	3.9	2.8	4.0	3.7	3.8	3.1	3.5	4.0	3.0	2.9
Hook3	10.9	12.8	13.5	12.3	12.0	11.3	11.5	11.6	10.9	10.9	13.8	13.6
Hopx	0.2	0.6	0.2	0.1	0.1	0.3	0.2	0.7	0.3	1.4	0.7	0.6
Hormad2	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Hoxa1	0.6	0.5	0.2	0.6	0.5	0.3	0.3	0.4	0.4	1.1	0.5	0.5
Hoxa10	0.1	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Hoxa2	0.3	0.1	0.2	0.1	0.1	0.3	0.1	0.3	0.2	1.1	0.8	0.4
Hoxa3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.2	0.2
Hoxa4	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.1	0.0	0.9	0.3	0.1
Hoxa5	0.1	0.0	0.0	0.3	0.0	0.0	0.1	0.1	0.2	5.4	2.8	1.6
Hoxa6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.1
Hoxa7	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.1
Hoxb13	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Hoxb2	0.9	1.2	1.7	0.7	1.6	1.0	1.3	1.5	3.7	4.1	2.5	2.5
Hoxb3	0.4	0.4	0.6	0.4	0.5	0.7	0.4	0.6	0.8	1.3	1.3	1.0
Hoxb4	1.0	1.0	0.7	1.3	0.9	1.3	0.9	0.6	1.3	2.9	1.6	1.8
Hoxb5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0
Hoxb6	0.2	0.2	0.0	0.8	0.0	0.6	0.0	0.0	0.1	0.4	0.4	0.4
Hoxb7	0.1	0.0	0.0	0.4	0.0	0.1	0.1	0.1	0.1	0.8	1.0	0.1
Hoxb8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Hoxb9	0.4	0.0	0.0	1.1	0.1	0.2	0.0	0.0	0.0	0.0	0.3	0.0
Hoxc10	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxc13	1.9	1.0	0.8	1.9	0.9	1.0	0.7	0.1	0.3	0.7	0.7	0.4
Hoxc4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.7	0.7	0.5
Hoxc5	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.8	0.5	0.4

Online Table 1

Hoxc6	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.2	1.7	2.5	0.6
Hoxc8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1
Hoxc9	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Hoxd10	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxd3	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Hoxd4	0.2	0.2	0.1	0.4	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
Hoxd8	2.7	2.3	3.1	4.2	2.8	2.3	3.3	4.0	3.8	3.5	2.9	3.2
Hoxd9	0.9	0.5	0.6	1.0	0.7	0.9	0.5	0.4	0.5	0.6	0.5	0.5
Hp	0.9	3.0	11.7	2.4	23.5	1.0	12.3	7.6	7.4	20.0	4.2	12.8
Hp1bp3	43.9	49.8	53.1	46.1	41.4	47.6	48.5	46.7	47.5	46.1	49.6	53.0
Hpcal1	15.3	11.6	9.9	15.7	18.1	12.6	11.6	7.2	8.3	16.2	11.6	11.3
Hpcal4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hpd	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hpdl	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.2	0.1	0.1
Hpgd	12.4	11.5	15.3	4.3	3.3	0.7	2.0	4.5	2.1	2.1	2.2	2.2
Hpgds	0.4	0.1	0.1	3.9	5.1	0.0	0.7	0.1	0.1	0.4	0.1	0.3
Hpn	0.1	0.2	0.1	0.2	0.2	0.0	0.1	0.1	0.2	0.1	0.1	0.1
Hprt	61.6	50.9	41.0	62.0	61.2	54.2	41.4	35.2	41.2	61.0	50.6	51.4
Hps1	9.7	8.6	7.7	8.3	8.5	9.0	8.1	8.3	9.8	8.9	8.0	7.8
Hps3	5.9	5.5	4.9	5.4	5.9	5.4	4.9	4.3	5.8	4.7	5.1	5.3
Hps4	4.6	4.9	4.3	4.0	4.4	4.4	4.0	3.6	3.9	3.5	3.2	3.2
Hps5	9.1	8.6	7.9	9.4	8.9	9.3	8.3	7.8	8.0	7.9	8.1	8.4
Hps6	3.5	3.3	3.5	3.5	3.5	3.9	3.7	3.1	3.8	4.5	3.3	3.2
Hpse	1.3	1.3	1.2	1.2	1.3	1.5	1.0	0.7	0.7	0.9	0.6	1.2
Hpx	0.4	0.9	0.5	0.2	0.4	0.6	0.3	0.4	0.4	0.4	0.6	0.4
Hr	1.5	1.5	1.1	1.6	0.8	2.0	1.0	1.1	0.6	0.6	0.8	0.6
Hras1	26.4	20.5	17.8	25.2	23.0	24.1	23.6	20.1	22.3	23.2	27.0	22.6
Hrasls	0.6	0.3	0.2	0.7	0.2	0.8	0.2	0.1	0.1	0.2	0.2	0.2
Hrc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hrct1	9.1	8.4	6.3	13.3	7.1	10.1	8.5	3.6	4.6	5.3	5.9	6.6
Hrh1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Hrh2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Hrk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hrsp12	26.7	24.7	29.3	34.0	29.9	37.7	20.8	27.1	16.0	23.2	24.2	23.6
Hs1bp3	8.0	8.6	7.3	8.8	8.2	10.0	7.5	6.1	7.1	8.6	6.6	7.0
Hs2st1	9.5	10.1	10.2	9.7	11.1	10.9	10.2	9.2	10.7	15.3	13.0	12.4
Hs3st1	0.5	0.6	1.8	0.6	1.1	0.2	1.1	1.4	1.0	1.1	1.1	1.1
Hs3st3a1	0.6	0.5	0.6	0.4	0.6	0.5	0.5	0.4	0.3	0.6	0.4	0.2
Hs3st3b1	0.4	0.3	0.3	0.4	0.4	0.2	0.3	0.2	0.3	0.4	0.3	0.3
Hs3st4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Hs3st6	0.3	0.3	0.1	0.2	0.3	0.2	0.0	0.0	0.1	0.1	0.1	0.0
Hs6st1	3.8	2.5	3.1	3.6	3.3	2.7	3.7	2.5	2.9	3.5	4.0	3.0
Hs6st2	35.0	35.2	36.7	37.7	43.2	37.3	50.7	40.7	64.7	55.0	61.0	65.8
Hs6st3	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Hsbp1	106.8	87.6	84.1	118.2	86.6	104.4	91.6	89.2	77.6	99.3	103.6	100.7
Hscb	21.4	19.1	14.0	21.1	12.7	24.3	9.0	13.8	12.1	14.2	14.5	16.4
Hsd11b1	216.9	265.8	246.4	320.4	227.9	232.7	101.7	116.0	83.8	67.5	69.1	72.4
Hsd11b2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Hsd17b1	0.3	0.3	0.1	0.2	0.2	0.5	0.2	0.0	0.1	0.2	0.2	0.3
Hsd17b10	31.1	30.8	28.3	34.0	25.5	29.9	27.1	36.4	30.2	27.3	31.6	25.6
Hsd17b11	7.4	5.5	8.0	7.5	7.5	9.4	6.6	8.2	5.6	7.3	7.1	8.5
Hsd17b12	57.2	49.4	39.0	58.3	54.1	49.5	55.2	54.0	47.0	53.2	58.9	45.0
Hsd17b13	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Hsd17b4	43.9	36.3	35.8	45.8	36.5	46.0	31.5	32.8	30.4	34.5	35.8	36.6
Hsd17b6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hsd17b7	12.0	15.7	14.9	7.5	9.7	6.9	20.1	23.0	18.1	7.7	20.7	8.7
Hsd3b1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Hsd3b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hsd3b3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Hsd3b4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Hsd3b7	16.4	14.0	12.6	17.0	14.7	20.9	12.7	16.4	14.5	11.7	10.9	13.2
Hsd11	5.4	5.1	4.2	8.2	5.4	6.9	5.0	4.7	4.2	4.8	3.7	5.5
Hsd12	8.9	7.4	8.7	9.8	7.1	10.4	7.2	8.0	7.7	7.9	8.5	9.9
Hsf1	12.4	13.0	11.7	12.4	11.1	13.3	13.3	12.5	13.1	10.8	12.8	9.9
Hsf2	11.9	10.4	8.8	11.7	8.4	9.6	9.3	7.5	8.3	10.1	11.3	9.4
Hsf2bp	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Hsf3	0.1	0.1	0.2	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0
Hsf4	1.6	2.6	2.3	2.1	1.7	2.1	1.9	1.7	1.6	2.7	2.3	1.3
Hsf5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hsp90aa1	671.6	621.3	500.3	759.3	472.5	623.2	453.6	291.8	347.9	532.7	564.2	549.3
Hsp90ab1	596.7	583.6	615.3	685.4	531.1	579.0	575.9	554.8	456.5	557.6	651.7	620.1
Hsp90b1	838.4	735.1	727.5	846.8	631.0	660.8	744.3	776.1	697.0	780.4	910.4	915.7
Hspa12a	4.0	3.1	3.2	3.8	3.2	3.7	3.2	2.9	2.4	2.5	3.2	2.9
Hspa12b	3.3	3.5	2.9	3.5	2.1	3.2	2.6	2.0	2.3	1.9	1.6	1.4
Hspa13	22.9	21.7	23.6	26.8	24.3	25.6	25.3	22.1	25.2	26.3	25.8	28.7
Hspa14	25.1	30.1	27.0	21.5	23.1	21.0	23.7	20.9	24.0	23.8	23.9	24.7
Hspa1a	5.1	7.2	7.3	3.6	7.0	3.7	11.3	5.0	7.8	14.8	10.1	8.2
Hspa1b	9.7	18.4	15.2	6.7	13.5	5.4	21.1	10.1	18.5	25.6	21.1	14.8
Hspa1l	0.8	0.9	0.7	0.5	0.8	0.6	1.1	0.6	0.8	1.1	1.1	0.8
Hspa2	7.2	7.6	9.1	6.7	7.1	6.8	9.6	9.9	9.2	12.2	11.4	12.4
Hspa4	65.0	56.3	54.1	68.4	58.7	60.2	54.2	48.5	47.3	59.9	62.4	61.7
Hspa4l	15.5	18.1	14.0	16.1	12.1	15.8	10.4	8.0	10.1	13.2	14.6	11.2
Hspa5	646.4	464.4	391.1	655.0	423.0	505.2	377.9	499.5	460.6	471.9	501.4	475.8
Hspa8	1564.8	1453.9	1318.9	1432.8	1268.3	1313.4	1367.4	1362.2	1258.7	1513.0	1698.0	1513.4
Hspa9	157.7	100.5	85.9	161.4	94.1	159.7	99.8	118.3	92.5	105.5	125.4	105.8
Hspb1	385.4	534.1	421.3	461.7	304.4	423.7	378.5	360.9	441.4	515.1	430.4	408.6
Hspb11	34.8	32.7	45.6	24.1	24.4	31.2	31.1	29.9	29.5	31.8	37.6	44.6
Hspb2	7.1	6.1	7.0	3.4	3.2	5.2	3.5	7.5	6.3	10.1	4.3	6.4
Hspb6	2.6	2.9	2.7	2.6	2.0	2.4	2.9	2.4	1.9	1.7	2.1	2.6
Hspb7	5.2	5.2	3.3	7.2	3.4	6.9	5.7	4.7	3.9	2.8	3.3	3.7
Hspb8	71.7	54.6	40.9	86.0	44.5	89.7	49.0	35.8	44.8	60.0	55.1	45.9
Hspb9	0.2	0.3	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.2	0.0	0.1
Hspbap1	2.3	2.9	2.1	2.0	2.0	1.9	2.1	2.1	2.3	2.5	2.3	2.3
Hspbpb1	6.4	5.8	3.9	7.2	6.1	7.7	5.0	5.3	5.1	5.1	5.5	4.8
Hspd1	156.9	139.1	109.0	153.7	119.4	147.7	121.4	98.2	105.5	134.6	152.6	132.2
Hspe1	176.3	169.7	151.1	194.6	135.4	190.1	125.3	131.5	132.1	165.7	176.4	164.1
Hspg2	16.6	26.7	26.9	12.0	23.2	16.3	31.7	21.6	25.8	19.3	15.3	11.1
Hsph1	37.3	53.7	48.1	46.0	41.4	42.6	30.3	27.1	24.7	40.5	36.7	35.1
Htatip2	33.0	30.9	25.6	33.7	30.9	44.4	25.6	28.1	28.0	29.2	27.5	30.3
Htatsf1	25.0	21.4	23.3	26.6	18.7	23.0	22.4	20.0	17.8	19.4	24.3	23.7
Htr1d	0.0	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.1
Htr2a	1.2	0.4	0.4	0.7	0.6	0.6	0.7	0.4	0.6	1.6	1.2	1.1
Htr2b	0.2	0.2	0.2	0.5	1.2	0.3	0.3	0.2	0.1	0.3	0.2	0.3
Htr4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr5b	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr7	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Htra1	53.3	38.2	28.9	73.5	42.9	82.4	48.0	42.8	59.5	112.7	93.8	62.9
Htra2	35.6	30.6	23.9	31.3	28.6	38.1	31.9	24.4	31.3	26.2	29.1	29.1
Htra3	0.4	1.0	1.6	0.3	0.6	0.6	0.5	1.1	1.0	0.7	0.5	0.8
Htra4	3.3	2.2	2.8	1.3	2.3	2.0	1.6	0.5	0.8	1.0	0.6	1.5
Htt	4.2	4.1	3.5	3.9	4.6	3.8	3.9	3.8	4.1	3.9	3.8	3.3
Hunk	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.1
Hus1	2.5	2.7	2.3	2.6	2.3	2.4	2.1	2.5	2.3	2.0	2.8	2.3
Hus1b	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0

Online Table 1

Huwe1	16.8	16.9	15.4	18.4	16.7	17.5	18.0	16.8	14.2	14.3	15.8	14.3
Hvcn1	13.3	9.7	7.5	29.8	16.8	28.9	5.8	6.5	4.9	4.6	3.4	5.4
Hyal1	9.5	7.2	7.2	7.4	7.9	9.9	5.9	4.3	4.0	6.1	5.1	4.9
Hyal2	8.8	9.7	8.7	9.9	9.8	10.7	9.8	8.4	8.5	12.6	9.7	8.7
Hyal3	0.1	0.3	0.2	0.2	0.1	0.0	0.3	0.2	0.1	0.2	0.1	0.2
Hydin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hyi	20.3	18.5	14.4	19.3	13.1	24.3	17.9	13.0	15.1	17.6	16.7	16.0
Hyls1	2.9	3.4	4.2	1.5	3.5	1.3	4.4	2.9	3.5	3.2	3.9	3.0
Hyou1	71.3	64.0	54.2	85.7	60.0	75.5	67.7	66.5	59.8	61.2	65.0	56.7
Hypk	91.1	74.6	96.9	108.4	69.6	89.2	97.7	96.9	73.5	76.6	84.3	99.9
I730028E13Rik	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
I830012O16Rik	23.0	12.0	8.4	31.0	6.0	24.5	4.6	2.9	2.5	2.6	5.3	10.4
I830077J02Rik	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Iah1	37.8	30.3	26.7	30.7	31.9	34.8	31.9	43.2	47.6	39.8	38.4	39.3
Iars	24.9	18.8	15.0	23.3	19.4	21.8	19.9	20.6	19.1	18.4	22.8	15.8
Iars2	31.3	28.3	23.6	27.3	25.2	28.5	27.1	24.6	25.4	27.4	27.3	27.2
Iba57	1.0	1.0	0.7	1.7	1.3	1.1	1.1	1.1	1.2	1.3	1.0	1.1
Ibtk	13.5	11.2	9.8	12.1	12.2	9.8	11.2	10.8	10.6	12.3	13.4	11.6
Ica1	12.9	11.0	7.8	13.2	8.4	12.5	8.2	6.8	5.9	8.8	9.0	7.2
Ica1l	1.0	0.3	0.2	1.0	0.5	0.6	0.6	0.1	0.4	0.5	0.5	0.4
Icam1	77.9	69.0	71.0	77.8	92.2	63.7	41.2	33.0	21.5	35.8	23.9	37.1
Icam2	0.8	0.2	0.6	0.3	0.3	0.2	0.4	0.9	0.5	0.0	0.1	0.2
Icam4	0.1	0.2	0.2	0.0	0.2	0.8	0.2	0.1	0.0	0.1	0.1	0.0
Icam5	0.2	0.2	0.2	0.1	0.3	0.4	0.1	0.2	0.2	0.3	0.1	0.1
Ick	4.1	4.3	4.5	4.4	3.9	4.6	4.4	4.8	4.4	4.1	5.2	4.6
Icmt	18.8	16.1	13.5	19.7	17.6	19.4	17.9	13.4	16.5	15.8	15.5	15.3
Icos	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Icosl	0.4	1.1	1.9	0.8	2.0	0.3	0.9	0.7	0.6	0.3	0.3	0.6
Ict1	23.9	17.2	17.1	26.5	18.3	21.6	20.2	22.3	17.9	18.0	21.8	19.1
Id1	44.4	50.9	59.9	26.3	35.8	24.2	33.0	42.8	42.2	89.2	41.9	44.3
Id2	22.8	24.7	41.4	16.7	24.4	12.8	21.7	28.7	25.6	29.0	23.9	29.8
Id3	138.1	215.8	254.8	83.0	158.8	106.1	159.4	227.7	229.1	232.7	138.7	192.0
Id4	1.1	1.8	3.3	1.2	1.6	0.7	2.4	2.3	2.4	3.3	2.9	3.7
Ide	39.9	32.9	32.2	40.1	32.3	42.2	31.0	36.7	31.1	39.7	43.8	39.5
Ide1	96.4	97.2	88.7	86.1	73.9	78.3	88.4	121.5	93.7	63.1	104.9	78.8
Ide2	9.3	11.3	14.8	7.0	8.0	11.3	10.7	13.4	12.5	10.3	10.5	10.7
Ide3a	20.6	18.8	16.4	23.3	19.0	22.5	18.5	17.0	17.1	21.1	23.1	18.1
Ide3b	45.1	43.3	40.5	48.6	45.2	45.9	42.5	40.5	41.2	47.0	47.6	46.7
Ide3g	30.4	28.1	29.3	35.1	28.2	27.9	29.6	32.3	29.2	25.2	32.6	29.3
Idi1	20.1	24.5	25.5	5.6	15.0	9.1	46.7	57.6	40.8	11.0	53.3	18.9
Idi2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iidnk	5.8	5.2	4.9	6.2	6.1	7.0	4.4	6.4	5.7	6.5	5.2	5.5
Iido1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1
Iido2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iids	10.0	9.1	10.0	11.3	10.7	12.5	11.1	9.5	8.4	9.1	9.9	9.8
Iidua	6.8	6.5	6.7	9.5	7.8	9.8	6.3	7.3	7.3	5.9	6.3	5.8
Iier2	3.6	3.4	3.0	3.1	3.9	2.8	4.3	3.1	4.8	20.5	5.0	3.6
Iier3	56.2	47.0	43.5	53.8	40.6	42.9	47.1	38.3	47.3	72.2	40.7	45.9
Iier3ip1	35.9	34.8	33.2	34.8	35.7	36.8	35.3	33.8	37.0	38.0	42.8	43.7
Iier5	10.4	8.9	7.2	10.0	12.9	7.2	8.2	5.4	7.4	15.8	10.8	10.3
Iier5l	11.9	15.0	18.6	6.0	14.9	8.3	19.8	18.2	21.1	18.8	11.8	15.6
Iiffo1	9.6	10.6	9.2	8.9	8.9	9.6	9.1	6.9	8.4	7.1	8.1	8.1
Iiffo2	6.3	6.3	5.8	6.0	7.3	4.6	7.2	6.0	6.9	7.2	7.0	6.4
Iifi203	1.5	1.1	1.9	3.0	1.6	1.4	1.0	0.7	1.0	0.5	0.9	1.8
Iifi204	8.7	7.0	10.7	12.1	7.2	5.8	6.4	7.4	5.4	9.8	7.5	11.6
Iifi205	13.5	12.6	25.6	18.0	16.4	8.9	14.0	18.2	12.4	7.6	9.1	18.6
Iifi2711	211.0	181.9	136.5	186.7	147.2	154.9	115.8	94.8	133.3	127.3	100.5	131.1

Online Table 1

lfi27l2a	6.8	12.1	25.0	9.5	10.3	3.1	10.8	17.4	9.8	11.4	5.8	8.3
lfi27l2b	1.1	0.6	0.3	1.4	0.6	0.7	0.6	0.2	0.2	1.0	0.9	0.8
lfi30	31.0	19.5	23.4	42.0	45.5	43.8	21.2	21.7	14.9	21.8	24.1	19.2
lfi35	21.3	17.6	17.9	23.6	19.2	18.2	19.1	16.5	19.6	16.8	14.7	21.6
lfi44	2.5	0.9	1.6	4.8	1.9	2.3	0.9	0.2	0.5	0.4	0.9	1.9
lfi47	7.3	6.5	3.5	10.3	9.5	5.9	5.3	2.1	3.9	7.8	4.4	5.1
lfih1	7.1	5.0	6.1	8.3	6.3	6.3	5.5	4.2	4.3	4.0	4.0	7.2
lfit1	22.2	9.5	13.1	31.6	7.3	15.2	5.9	2.7	4.5	2.9	9.5	24.0
lfit2	15.1	9.0	6.8	21.5	6.1	17.5	5.8	3.6	3.9	3.8	5.3	6.9
lfit3	153.0	66.0	39.4	173.9	27.2	164.5	15.8	7.4	7.9	11.5	20.9	37.4
lfitm1	3.3	6.9	6.8	3.5	3.5	6.7	3.2	3.5	4.2	7.7	2.4	3.9
lfitm10	0.3	0.4	0.5	0.4	0.7	0.6	0.6	0.7	0.5	0.8	0.3	0.6
lfitm2	316.1	335.1	392.2	317.4	322.9	307.0	326.7	348.7	317.6	395.2	346.0	336.6
lfitm3	482.1	405.5	440.4	710.4	511.0	407.9	394.5	316.8	311.9	369.2	338.5	404.4
lfitm5	0.4	0.5	0.5	0.3	0.8	0.6	0.7	0.4	0.3	0.3	0.5	0.4
lfitm7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
lfnar1	12.1	12.4	13.7	12.0	14.4	10.4	13.0	13.8	13.2	12.1	11.8	12.5
lfnar2	70.5	73.8	91.9	80.7	90.1	61.8	72.0	67.3	60.8	59.5	59.4	69.9
lfngr1	46.8	59.1	80.4	51.5	58.5	54.5	56.4	48.6	53.2	40.3	37.7	49.9
lfngr2	57.3	38.4	34.2	62.3	58.5	54.7	41.1	27.8	28.7	40.8	37.3	33.3
lfnlr1	0.3	0.3	0.2	0.2	0.1	0.3	0.1	0.1	0.2	0.2	0.1	0.4
lfnz	0.2	0.1	0.2	0.4	0.3	0.1	0.3	0.2	0.3	0.4	0.1	0.4
lfrd1	21.7	14.7	10.2	21.1	18.2	17.5	16.9	15.3	16.2	14.9	17.3	11.3
lfrd2	3.9	3.7	3.9	3.8	3.9	3.7	4.3	4.8	4.5	3.7	4.4	3.8
lft122	6.5	5.7	5.6	5.8	5.6	7.5	5.3	6.3	5.1	6.2	5.9	5.8
lft140	3.4	4.6	4.4	3.4	3.6	4.4	3.9	4.0	4.1	3.6	4.1	4.1
lft172	8.4	9.0	9.2	9.5	7.8	10.7	7.1	7.8	7.3	6.7	7.1	7.6
lft20	49.0	48.7	49.4	49.7	44.0	46.4	53.7	58.0	49.7	47.9	56.9	54.9
lft27	13.9	13.4	14.5	11.1	12.4	11.4	12.4	14.1	12.5	15.2	12.1	11.9
lft43	41.9	39.8	40.2	32.0	34.8	34.4	37.0	43.1	43.2	40.3	42.6	46.6
lft46	12.0	11.4	11.7	11.1	8.9	12.4	11.7	11.4	10.6	11.2	11.9	12.1
lft52	14.8	15.6	16.8	16.8	15.1	16.2	15.5	14.5	14.5	14.1	15.1	15.5
lft57	8.3	7.0	7.5	10.2	6.8	10.0	6.6	6.8	5.3	7.1	8.8	8.3
lft74	12.5	12.7	14.0	12.4	10.0	12.6	12.8	12.8	10.5	12.8	14.7	15.3
lft80	6.2	6.8	8.3	5.9	7.1	6.8	5.9	7.0	5.9	6.6	6.2	7.1
lft81	8.6	9.1	9.0	7.7	6.4	10.0	7.6	7.6	7.2	7.4	8.6	9.4
lft88	5.3	3.9	4.9	5.7	3.6	5.5	4.2	4.4	3.7	4.3	4.7	5.1
lgbp1	29.1	25.6	28.6	26.8	24.5	31.2	25.3	28.5	22.2	29.8	30.3	29.8
lgdcc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lgdcc4	4.3	5.5	5.6	3.7	4.3	6.2	4.8	4.4	4.3	3.9	3.8	3.6
lgf1	15.0	9.2	17.7	39.0	30.1	8.5	10.7	15.8	9.8	16.8	12.5	14.2
lgf1r	17.9	20.9	16.6	20.5	19.4	23.2	26.1	17.6	18.7	15.0	18.7	13.5
lgf2	0.2	0.3	0.4	0.4	0.2	0.1	0.1	0.1	0.2	0.3	0.2	0.2
lgf2bp1	0.3	0.1	0.1	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1
lgf2bp2	2.9	3.0	3.1	3.2	3.7	3.0	3.4	3.5	2.9	4.8	4.5	3.9
lgf2bp3	3.0	2.0	1.1	2.4	1.5	2.1	1.1	0.8	0.9	0.6	1.1	0.8
lgf2r	53.5	51.5	56.4	36.3	52.7	40.9	39.4	60.9	48.5	38.2	41.8	43.8
lgfals	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1
lgfbp2	570.4	167.1	223.0	701.9	187.6	503.0	141.3	138.0	133.7	606.1	586.5	324.4
lgfbp3	54.1	74.5	61.0	113.7	60.5	39.2	15.6	17.4	38.2	198.3	55.3	57.6
lgfbp4	129.3	106.7	297.0	14.3	20.1	11.5	28.7	167.8	64.4	127.5	107.9	155.2
lgfbp5	0.3	0.1	0.8	0.2	2.7	0.1	0.9	1.6	1.0	0.9	1.1	1.2
lgfbp6	13.5	10.7	7.2	7.8	4.5	13.4	9.4	14.7	8.0	50.6	35.5	16.3
lgfbp7	1348.9	1187.8	1265.6	1592.1	1333.2	1847.7	1386.5	1114.7	1195.4	1051.3	1067.3	1238.1
lgflr1	0.4	0.4	0.4	0.5	0.7	0.3	0.4	0.2	0.9	0.4	0.3	0.1
lgfn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lghmbp2	1.2	1.2	1.4	1.3	1.3	1.5	1.4	1.5	1.6	1.5	1.2	1.3

Online Table 1

Iglon5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1
Igsf10	0.2	0.3	0.6	0.1	0.2	0.2	0.2	0.9	0.2	0.2	0.3	0.2
Igsf11	0.3	0.1	0.0	0.4	0.2	0.3	0.1	0.1	0.0	0.1	0.1	0.1
Igsf21	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Igsf23	0.4	0.1	0.3	0.4	0.2	0.2	0.2	0.1	0.1	0.2	0.3	0.2
Igsf3	3.5	4.5	6.0	3.6	4.5	4.2	5.1	7.7	5.3	6.7	5.2	5.8
Igsf6	0.3	0.1	0.1	2.4	3.4	0.1	0.6	0.1	0.1	0.2	0.2	0.3
Igsf8	37.8	49.1	47.2	38.8	39.6	40.7	45.2	46.6	52.7	34.5	38.2	37.7
Igsf9	0.1	0.0	0.0	0.3	0.8	0.1	0.2	0.0	0.1	0.2	0.0	0.1
Igsf9b	2.6	1.9	1.1	2.0	1.4	1.9	1.2	0.4	0.9	1.6	1.5	0.8
Igtp	4.8	3.8	4.3	8.1	4.3	3.9	2.5	2.0	2.4	2.5	2.9	4.3
Iigp1	3.8	1.5	3.9	4.1	1.9	1.2	1.2	0.6	0.7	0.5	2.2	3.3
Ik	78.3	71.7	82.0	95.9	63.3	75.0	70.3	65.9	51.7	66.0	71.7	82.2
Ikbip	68.8	61.8	66.2	69.3	57.9	68.4	68.0	60.2	61.2	66.5	71.2	75.0
Ikbkap	7.8	6.4	5.9	6.5	7.3	6.5	6.6	6.8	6.7	6.5	7.1	6.2
Ikbkb	12.4	11.6	10.9	15.0	13.3	12.5	13.7	11.9	11.3	10.4	11.8	12.5
Ikbke	7.5	7.3	8.4	8.4	11.4	5.7	8.1	5.8	6.9	5.6	5.1	5.8
Ikbkg	28.6	25.1	16.9	41.3	24.0	41.7	25.2	14.9	20.3	21.2	22.9	22.0
Ikzf1	0.1	0.0	0.0	0.9	2.0	0.0	0.3	0.0	0.0	0.2	0.0	0.1
Ikzf2	1.4	1.5	1.6	1.5	1.2	1.1	1.4	1.2	1.6	1.7	2.0	1.7
Ikzf4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ikzf5	3.8	4.9	5.3	5.1	4.5	4.7	6.4	5.5	5.2	4.3	6.5	6.1
Il10	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Il10ra	0.4	0.0	0.0	3.6	7.3	0.0	0.9	0.1	0.2	0.5	0.2	0.3
Il10rb	16.6	15.8	14.1	19.9	24.9	11.9	15.4	14.0	15.8	21.0	16.3	16.4
Il11	0.3	0.5	0.5	0.2	0.2	0.3	0.6	0.4	0.6	0.4	0.4	0.6
Il11ra1	44.7	47.7	62.5	42.5	34.9	37.5	38.1	62.3	39.8	32.0	30.0	38.9
Il12a	0.1	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.0
Il12rb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il12rb2	0.1	0.1	0.1	0.4	0.1	0.0	0.2	0.0	0.1	0.2	0.0	0.0
Il13ra1	3.4	3.7	4.5	3.2	5.1	2.4	3.5	4.2	3.5	3.5	2.7	3.9
Il13ra2	0.3	0.0	0.0	0.4	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Il15	2.5	2.1	2.9	2.5	3.5	1.5	2.0	1.3	3.5	1.9	1.6	2.3
Il15ra	0.6	0.5	0.9	0.6	0.7	1.0	0.6	0.5	0.3	1.0	1.2	0.4
Il16	16.3	13.7	17.4	8.8	8.3	8.9	8.9	9.7	4.9	8.4	9.4	10.2
Il17b	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Il17c	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0
Il17d	1.8	1.5	2.0	2.9	1.5	2.2	2.7	2.2	2.2	1.4	1.7	1.4
Il17ra	14.2	16.0	14.7	15.4	13.8	13.1	16.5	14.3	13.3	10.7	11.9	11.6
Il17rb	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.1
Il17rc	11.5	11.5	10.3	8.1	8.9	9.7	11.5	12.0	13.0	10.5	9.4	9.3
Il17rd	2.0	2.3	1.7	2.0	2.0	2.6	1.9	1.9	2.0	2.4	2.0	1.9
Il17re	0.7	0.4	0.4	0.1	0.1	0.0	0.1	0.2	0.1	1.7	1.0	0.6
Il18	3.1	1.9	1.6	1.1	1.6	1.6	2.6	1.7	1.9	12.7	7.1	3.2
Il18bp	0.9	0.8	1.2	1.4	1.5	1.0	1.1	0.9	0.6	0.8	0.4	0.9
Il18r1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Il18rap	0.2	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.1	0.2	0.2	0.2
Il1a	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Il1b	0.1	0.1	0.0	0.2	0.5	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Il1f10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1
Il1f9	0.7	0.8	0.5	0.9	1.7	0.5	0.6	0.2	0.3	0.4	0.0	0.2
Il1r1	7.9	18.8	41.6	7.8	15.3	4.9	14.2	33.3	20.3	26.7	15.4	19.7
Il1r2	0.2	0.4	1.1	0.0	0.4	0.2	0.3	0.5	0.3	0.2	0.1	0.5
Il1rap	24.8	34.0	44.9	21.8	33.9	15.4	34.4	26.7	35.6	19.3	24.0	36.1
Il1rapl1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.2
Il1rapl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il1rl1	0.2	0.2	0.2	0.1	0.3	0.0	0.3	0.1	0.2	0.5	0.4	0.3

Online Table 1

ll1r12	3.2	3.3	4.2	2.9	3.9	1.7	4.5	5.5	3.9	4.0	3.6	4.4
ll1rn	0.1	0.0	0.0	1.9	1.4	0.0	0.2	0.1	0.0	1.0	0.6	0.5
ll20ra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
ll20rb	0.2	0.3	0.2	0.1	0.3	0.2	0.2	0.3	0.3	0.2	0.4	0.3
ll21r	0.3	0.0	0.0	1.5	2.9	0.0	0.3	0.0	0.1	0.2	0.1	0.2
ll22ra1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.0
ll22ra2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ll23a	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.0	0.1	0.2	0.1	0.1
ll23r	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
ll27ra	3.8	4.3	5.3	4.3	5.9	5.1	7.7	5.1	8.1	4.0	3.6	5.5
ll2ra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ll2rb	0.3	0.2	0.2	0.1	0.1	0.3	0.1	0.2	0.1	0.0	0.2	0.1
ll2rg	1.4	0.4	0.3	6.9	11.0	0.6	3.2	1.0	0.8	0.9	0.4	0.6
ll31ra	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
ll33	0.2	1.0	8.2	0.2	2.2	0.1	2.0	12.7	13.4	15.4	5.0	24.5
ll34	12.4	16.3	15.9	12.3	20.5	14.6	17.4	11.9	12.3	10.6	11.1	8.6
ll3ra	13.3	10.1	11.3	11.3	11.9	11.8	10.6	11.6	13.3	10.3	7.9	8.1
ll4i1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
ll4ra	27.0	28.0	32.2	33.9	46.1	23.3	73.3	45.1	51.4	53.2	46.2	58.4
ll5ra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ll6	80.2	107.5	102.9	46.8	120.3	27.4	91.5	75.8	89.6	60.2	67.6	91.2
ll6ra	1.1	1.9	2.5	1.3	2.1	0.9	1.7	2.6	1.7	1.2	1.5	1.8
ll6st	191.1	244.8	364.8	153.2	176.5	151.0	212.6	280.8	251.9	129.9	162.1	218.7
ll7	1.0	1.1	0.8	1.8	1.7	1.4	1.5	0.4	0.6	0.4	0.7	1.0
ll7r	0.1	0.0	0.0	2.7	4.5	0.0	0.4	0.0	0.1	0.2	0.0	0.2
ll8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lldr2	3.3	1.4	1.4	1.7	0.9	1.7	1.7	1.6	2.5	10.5	5.7	5.7
llf2	19.9	18.9	23.4	17.3	19.3	16.9	22.3	20.2	21.1	21.9	24.3	22.4
llf3	11.9	12.8	13.8	12.0	11.7	11.9	13.5	15.0	12.4	14.0	13.5	13.2
llk	57.3	53.2	47.9	64.8	53.5	48.7	58.8	56.0	58.7	52.4	65.5	55.3
llkap	20.1	20.5	21.1	21.6	18.5	22.9	21.7	17.9	21.0	22.7	20.4	23.1
llvbl	30.0	25.5	18.9	26.1	23.2	23.5	30.1	24.6	28.5	32.0	29.0	28.7
lmp1	26.5	27.3	20.7	24.7	21.4	24.9	18.2	21.9	26.5	25.8	27.2	23.9
lmp2	1.4	1.6	1.6	2.7	1.1	1.7	1.3	1.3	1.4	1.5	1.1	0.7
lmt	38.7	32.8	30.1	42.8	35.9	36.2	38.1	38.6	32.4	33.7	39.3	33.8
lmp3	30.8	25.6	23.0	24.4	27.6	25.1	24.0	26.5	27.1	38.1	27.1	25.5
lmp4	9.2	8.2	8.4	10.2	10.7	8.5	11.0	9.8	8.9	8.7	9.8	8.9
lmpa1	13.5	12.8	11.0	11.1	13.1	14.4	13.6	11.2	12.9	13.3	13.9	13.4
lmpa2	1.4	1.7	2.5	1.5	2.6	1.9	2.9	2.2	2.7	2.3	3.0	2.0
lmpact	82.5	62.4	54.6	108.6	63.0	99.2	63.0	44.5	48.9	62.5	66.9	70.4
lmpad1	25.6	23.4	25.2	22.9	24.9	25.5	25.6	24.5	26.1	28.3	28.5	28.1
lmpdh1	11.7	11.9	11.0	14.3	13.8	11.9	12.6	12.9	13.3	9.8	11.6	9.5
lmpdh2	56.3	50.5	53.2	40.2	49.3	50.3	52.2	47.9	51.1	58.4	53.8	54.4
lmpg1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lmpg2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
lna	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1
lnadl	0.9	0.6	0.6	0.6	0.6	0.6	1.0	0.8	0.6	1.2	1.0	1.0
lnca1	1.5	1.2	1.7	0.9	1.3	2.1	0.8	2.2	1.1	1.2	0.7	1.4
lncnp	3.1	6.0	9.9	4.2	8.0	2.7	11.0	5.4	6.4	3.7	6.7	5.1
lnf2	4.0	4.3	2.9	4.2	4.9	4.6	5.8	3.3	4.4	7.6	5.1	4.4
lng1	6.7	7.4	7.7	6.6	7.2	6.7	8.3	8.4	8.6	8.2	8.8	8.7
lng2	2.2	2.5	2.5	1.7	2.3	2.1	2.0	2.2	1.6	2.1	2.4	2.1
lng3	1.9	2.3	2.4	2.1	1.7	1.7	2.1	2.2	1.9	2.0	2.6	2.5
lng4	19.4	18.2	19.7	18.3	17.6	16.9	17.0	17.5	18.3	21.0	17.1	18.8
lng5	3.5	3.8	3.8	2.8	3.6	3.3	3.9	3.9	3.9	3.9	4.2	3.8
lnha	0.3	0.4	0.3	0.3	0.0	0.6	0.6	0.4	0.5	0.4	0.3	0.4
lnhba	37.0	36.4	28.7	48.6	30.8	46.1	56.5	24.9	36.0	32.9	50.3	41.0

Online Table 1

Inhbb	21.5	38.2	50.7	15.0	38.9	16.4	51.1	30.4	46.9	43.8	37.2	61.0
Inip	3.6	3.1	3.8	4.4	3.7	3.3	3.4	3.0	3.4	3.0	3.1	3.4
Inmt	0.1	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1
Ino80	5.4	5.1	5.3	6.1	5.5	5.4	5.9	5.7	5.8	5.7	5.6	5.4
Ino80b	8.5	7.4	7.7	6.3	6.5	7.2	7.5	7.9	6.5	7.5	6.6	8.2
Ino80c	9.5	7.4	6.8	10.3	7.9	7.6	8.2	7.7	7.1	6.8	8.4	9.4
Ino80d	1.2	1.6	1.7	1.2	1.6	1.4	1.4	1.5	1.4	1.4	1.3	1.4
Ino80e	8.7	7.9	8.9	11.7	11.0	11.9	11.1	9.8	8.0	10.5	10.9	8.5
Inpp1	11.1	9.7	7.9	9.7	9.1	10.7	9.1	6.9	7.3	9.4	9.2	8.2
Inpp4a	1.5	1.8	1.9	1.4	1.8	1.8	1.7	1.7	1.9	1.9	1.7	1.7
Inpp4b	0.1	0.0	0.0	0.9	1.8	0.0	0.4	0.1	0.1	0.2	0.1	0.1
Inpp5a	12.2	13.9	13.2	9.6	10.3	11.1	11.5	11.1	13.1	11.2	12.8	13.9
Inpp5b	8.6	9.3	7.8	9.7	11.3	8.3	8.7	9.8	10.1	8.3	8.8	8.7
Inpp5d	0.7	0.1	0.1	5.1	8.8	0.0	1.1	0.2	0.2	0.5	0.1	0.4
Inpp5e	8.0	8.6	8.3	7.3	8.0	8.7	8.7	7.7	8.4	7.7	7.5	7.9
Inpp5f	7.4	6.8	7.0	6.8	5.5	7.3	6.4	5.4	5.8	6.2	7.5	7.3
Inpp5j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inpp5k	6.9	6.2	6.2	6.5	5.6	6.8	6.9	8.1	6.9	8.0	7.9	6.9
Inppl1	23.6	26.6	22.4	24.7	26.4	27.8	24.4	21.3	26.7	29.8	24.3	28.1
Ins2	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.0
Insc	1.6	0.4	0.2	0.3	0.1	0.2	0.4	0.4	0.4	0.9	0.9	0.6
Insig1	50.1	75.5	60.4	25.1	41.5	44.9	98.7	102.9	94.4	27.7	87.7	39.9
Insig2	13.9	15.9	14.2	14.6	15.3	16.9	12.0	12.1	13.4	16.2	16.5	14.9
Insl3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Insl6	2.4	1.4	1.3	2.7	2.0	3.5	0.4	0.6	0.9	1.0	0.9	0.7
Insm2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Insr	4.1	4.3	4.3	3.6	3.6	4.4	4.0	3.6	4.3	4.0	3.8	4.1
Insr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ints1	5.8	6.2	5.3	5.5	6.1	6.2	6.4	6.3	6.9	5.6	5.6	4.6
Ints10	10.3	11.4	11.2	9.7	11.0	10.9	11.9	11.2	10.1	10.1	10.8	9.9
Ints12	4.6	4.5	4.6	4.9	5.0	4.5	4.3	4.6	4.3	4.5	5.3	4.7
Ints2	5.9	6.2	5.1	6.1	5.9	5.5	5.0	4.9	4.8	5.9	5.4	5.0
Ints3	8.4	10.3	9.5	8.9	9.7	10.4	10.0	11.3	10.3	9.7	10.2	8.9
Ints4	12.6	11.9	11.8	13.3	11.8	12.9	11.8	13.0	11.1	11.1	12.2	10.8
Ints5	3.9	5.0	4.9	3.9	4.6	3.9	5.3	5.0	5.4	4.4	4.3	3.7
Ints6	6.5	8.8	7.2	5.5	5.7	5.8	5.0	5.8	5.7	5.6	6.6	6.6
Ints7	2.7	3.8	4.9	2.6	3.9	2.1	4.3	5.2	4.0	3.4	3.8	3.1
Ints8	18.1	19.7	18.8	15.8	18.7	16.8	17.2	17.4	19.3	21.5	21.8	21.3
Ints9	4.2	4.8	4.7	4.5	4.6	4.7	4.9	4.7	3.5	3.9	4.1	4.1
Intu	1.4	1.4	1.3	1.1	1.3	1.6	1.2	1.2	1.1	1.2	1.3	1.2
Invs	5.0	4.6	4.9	5.4	4.3	5.6	4.6	5.2	4.7	4.5	5.4	4.3
Ip6k1	14.4	17.1	16.2	12.3	14.3	16.2	12.8	14.6	17.4	16.3	13.5	13.9
Ip6k2	8.2	8.2	6.8	7.5	6.7	8.0	6.4	6.2	6.6	8.9	7.3	7.1
Ip6k3	0.4	0.4	0.4	0.8	0.6	0.6	0.1	0.3	0.1	0.1	0.1	0.3
Ipmk	5.0	6.2	7.6	4.5	5.7	4.7	6.1	6.8	5.6	5.2	5.4	6.1
Ipo11	11.1	11.3	10.7	9.7	10.7	11.2	9.1	9.6	9.6	9.7	10.8	10.4
Ipo13	12.7	12.6	10.7	17.2	16.1	16.7	14.0	12.6	12.0	11.6	10.0	9.9
Ipo4	28.4	20.7	19.8	25.1	22.6	27.2	22.1	20.5	20.6	22.4	22.0	21.1
Ipo5	42.9	30.1	24.7	40.6	33.6	38.7	32.7	29.9	27.9	32.5	34.8	31.2
Ipo7	61.6	53.6	43.1	54.9	52.8	55.4	48.0	39.8	49.3	60.6	63.2	60.9
Ipo8	12.6	12.0	10.8	14.6	11.6	13.6	10.9	10.4	10.6	11.6	11.6	11.4
Ipo9	13.3	15.1	15.9	13.2	15.5	12.2	15.5	16.6	15.9	14.4	15.6	13.8
Ipp	5.3	5.4	4.0	4.7	3.8	5.3	3.2	3.9	4.1	5.2	4.1	4.3
Ippk	4.0	4.4	3.5	4.7	3.6	3.9	3.5	3.8	3.9	4.0	4.2	4.3
Ipw	0.5	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.0
Iqcb1	2.7	3.2	2.7	2.4	2.2	3.4	2.8	2.6	2.6	3.4	3.0	3.2
Iqcc	6.2	6.1	7.2	6.9	6.0	6.6	7.0	8.3	7.1	6.6	6.6	7.7

Online Table 1

lqcd	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.3	0.1	0.4	0.2	0.2
lqce	2.2	2.5	2.3	2.5	2.1	2.5	2.4	2.0	1.9	2.0	2.0	2.2
lqcg	2.9	2.9	2.6	2.6	2.9	2.7	2.9	2.7	2.7	2.5	2.8	2.8
lqch	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0
lqck	0.9	0.7	0.4	1.0	0.5	0.9	0.6	0.5	0.3	0.8	0.7	0.6
lqgap1	65.5	57.0	55.8	86.7	94.7	73.0	78.7	59.1	64.2	58.9	69.7	67.6
lqgap2	0.6	0.4	0.6	1.5	1.2	0.2	0.5	0.3	0.3	0.6	0.7	0.7
lqgap3	1.4	2.1	3.0	0.5	3.7	0.4	5.2	1.2	3.0	1.2	2.0	1.4
lqsec1	5.9	6.7	5.6	6.0	5.2	5.8	6.7	5.9	6.3	5.8	5.6	5.3
lqsec2	1.8	2.4	2.3	1.9	1.9	1.7	2.3	2.0	1.9	1.6	1.7	1.5
lqub	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lrak1	21.5	21.5	19.1	23.4	19.1	24.3	21.4	18.3	18.2	16.7	18.2	18.3
lrak1bp1	6.8	5.6	5.6	8.9	4.5	7.2	5.9	4.3	4.4	4.8	6.0	6.2
lrak2	5.3	4.0	3.3	7.0	6.7	4.4	6.0	3.4	5.3	5.7	5.9	5.7
lrak3	5.4	7.1	9.6	5.5	7.9	3.8	8.2	10.9	7.7	4.2	6.6	7.7
lrak4	4.3	4.2	5.3	5.3	5.4	4.2	4.6	5.0	4.4	3.9	5.0	4.2
lreb2	3.5	5.2	4.7	2.7	4.5	3.5	4.0	4.2	4.3	4.9	4.6	4.5
lrf1	9.7	9.1	11.1	11.7	18.4	12.2	11.9	11.2	10.6	11.5	9.7	12.3
lrf2	2.2	3.3	4.0	3.1	3.6	2.8	3.4	2.8	2.6	2.8	2.2	2.7
lrf2bp1	3.8	4.4	3.9	4.1	4.0	4.6	5.0	4.7	4.9	4.6	4.0	4.2
lrf2bp2	13.0	14.7	16.8	12.6	16.4	14.9	13.3	13.2	14.7	16.9	12.9	13.0
lrf2bpl	7.9	9.0	6.8	7.3	7.9	7.1	6.9	8.0	8.7	10.3	6.7	6.7
lrf3	16.4	15.4	13.8	15.8	14.7	16.6	17.3	14.6	17.1	18.4	16.8	15.9
lrf4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lrf5	3.5	2.8	2.8	7.9	14.1	2.6	3.7	1.2	2.4	4.3	2.3	3.2
lrf6	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.3
lrf7	14.5	8.1	10.0	27.6	8.5	12.5	4.9	3.0	4.2	3.3	3.6	8.4
lrf8	0.9	0.2	0.3	4.8	7.1	0.2	0.8	0.2	0.2	0.3	0.1	0.3
lrf9	12.8	9.2	12.3	13.9	10.7	10.1	9.3	8.7	9.6	7.6	7.7	15.7
lrg1	0.5	0.1	0.1	0.9	8.5	0.1	1.7	0.1	0.3	0.4	0.1	0.3
lrgm1	44.4	26.4	21.5	55.4	32.8	38.9	27.8	16.2	26.0	29.5	26.7	41.7
lrgm2	9.3	5.7	9.1	11.9	8.1	5.9	6.1	5.3	6.6	4.9	6.2	12.0
lrgq	6.7	5.7	4.5	6.2	5.8	5.8	5.8	4.7	5.5	6.2	5.5	5.2
lrs1	6.5	8.2	7.8	6.9	8.1	6.0	8.4	9.2	8.9	8.9	9.1	6.9
lrs2	1.6	1.8	1.9	1.3	2.5	2.0	2.6	2.0	2.6	3.2	1.6	2.2
lrs3	0.2	0.6	0.5	0.7	0.4	0.5	0.2	0.2	0.3	0.4	0.4	0.3
lrs4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lrx1	0.3	0.2	0.2	0.4	0.0	0.2	0.1	0.1	0.2	1.0	1.0	0.6
lrx2	0.5	0.2	0.2	1.1	0.3	0.6	0.8	0.2	0.3	0.8	0.7	0.4
lrx3	0.6	0.8	1.0	0.5	0.7	0.8	0.7	0.7	0.6	0.4	0.6	0.5
lrx5	1.2	0.9	0.4	1.6	0.8	1.3	0.7	0.2	0.5	0.5	0.4	0.4
lsca1	31.5	28.6	28.0	27.0	27.5	27.9	27.4	30.0	31.1	36.9	34.6	33.1
lsca2	22.0	24.2	22.1	21.5	17.8	23.5	20.5	21.9	23.5	20.7	23.4	20.0
lscu	87.6	63.2	56.8	100.2	64.2	88.6	64.6	64.8	59.8	69.5	76.5	74.4
lsg15	19.0	7.7	15.7	29.6	14.7	16.1	10.7	6.8	10.3	7.2	10.9	27.2
lsg20	10.7	11.4	11.3	14.9	8.2	11.7	12.3	13.6	12.4	8.0	14.2	11.9
lsg20l2	7.5	7.7	8.3	6.6	7.5	6.9	7.5	9.2	8.4	7.7	7.3	7.4
lsl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.0
lsl2	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0
lslr	11.3	16.2	28.3	12.2	16.0	14.5	13.2	18.4	15.2	13.2	10.9	13.2
lslr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
lsm1	1.1	2.5	8.3	0.3	1.4	0.4	2.3	9.4	7.4	2.5	1.9	7.9
lsoc1	5.0	5.1	4.6	6.3	5.8	4.7	4.0	4.3	4.2	7.0	6.6	5.0
lsoc2a	9.9	9.6	8.5	8.0	10.1	10.5	9.1	9.2	10.2	9.5	8.3	9.4
lsoc2b	10.8	9.9	10.2	10.1	8.0	10.6	8.3	10.2	8.2	10.6	8.9	11.0
lspd	1.8	1.8	2.0	1.2	1.8	1.8	1.6	2.0	2.0	2.3	2.2	1.8
lst1	17.1	19.4	17.6	15.8	16.9	15.5	19.5	18.4	19.2	19.9	18.3	19.4

Online Table 1

lsy1	13.0	11.1	15.0	13.7	13.4	13.2	13.9	13.6	12.4	14.0	13.5	17.7
lsyna1	4.2	5.1	6.4	4.6	7.2	3.0	2.6	5.6	3.9	15.9	6.9	6.5
ltch	16.7	17.7	17.1	17.4	16.6	17.6	15.9	16.9	16.9	18.2	19.4	19.1
ltfg1	67.2	65.2	58.8	68.4	63.9	78.7	60.5	59.4	60.8	61.0	64.5	66.6
ltfg2	2.5	2.1	1.9	2.9	2.5	2.8	2.8	2.7	2.4	3.3	2.5	3.1
ltfg3	20.8	20.6	17.4	19.3	18.5	20.3	19.2	19.9	19.2	20.7	17.8	15.4
ltga1	7.5	9.5	15.5	4.4	10.3	3.1	11.2	15.2	17.6	15.5	16.1	15.3
ltga10	0.6	0.7	0.5	0.4	0.5	0.6	0.7	0.3	0.7	0.7	0.6	0.5
ltga11	8.7	17.6	27.7	9.4	18.7	14.0	27.2	27.0	36.2	35.8	40.9	39.0
ltga2	0.8	0.7	1.0	0.4	0.9	0.3	1.2	0.7	0.6	0.3	0.5	0.5
ltga2b	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
ltga3	3.1	1.3	1.4	1.5	1.0	1.8	1.3	1.9	2.2	9.6	4.0	3.1
ltga4	2.0	1.8	2.0	1.7	1.8	1.8	1.7	3.9	1.6	1.6	2.1	2.4
ltga5	8.7	8.5	7.5	8.8	15.5	9.1	12.3	10.2	10.2	10.5	10.3	8.3
ltga6	4.4	1.8	1.6	4.5	5.5	3.6	1.7	1.2	1.3	2.4	2.2	1.4
ltga7	4.2	2.3	1.8	1.9	1.3	1.6	1.3	1.2	1.4	1.8	1.6	1.8
ltga8	0.5	0.4	0.7	0.5	0.6	0.5	0.2	0.5	0.4	0.4	0.4	0.3
ltga9	7.8	7.7	8.5	7.8	9.4	6.9	8.7	7.3	9.2	8.3	7.4	10.3
ltgad	0.0	0.0	0.0	0.3	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0
ltgae	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ltgal	0.2	0.1	0.0	1.0	4.1	0.1	0.8	0.1	0.2	0.3	0.1	0.2
ltgam	2.3	0.0	0.2	13.7	33.1	0.0	3.1	0.5	0.5	1.6	0.6	1.3
ltgav	46.0	47.0	48.5	37.4	52.8	45.0	49.1	40.4	38.6	43.7	42.8	39.3
ltgax	0.7	0.0	0.0	7.1	14.2	0.0	1.0	0.1	0.1	0.4	0.1	0.3
ltgb1	372.2	342.9	323.3	363.8	359.8	359.2	418.9	368.5	437.3	359.8	439.2	448.3
ltgb1bp1	17.9	15.0	13.8	18.4	14.2	18.5	13.5	13.1	13.2	15.4	16.2	16.4
ltgb1bp2	0.1	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.1	0.2	0.0	0.0
ltgb2	4.1	0.3	0.4	32.1	61.1	0.1	5.4	0.8	0.7	3.5	1.0	2.2
ltgb3	1.0	0.8	1.0	0.9	0.8	0.9	1.0	2.0	1.7	1.5	1.7	1.6
ltgb3bp	1.2	1.0	1.3	1.0	0.9	1.3	0.8	1.7	0.7	1.0	1.3	1.3
ltgb4	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.4	0.2	0.2
ltgb5	259.8	298.4	289.9	289.3	298.5	383.1	373.8	275.9	391.4	295.3	264.0	391.9
ltgb6	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
ltgb7	0.0	0.0	0.0	0.1	0.4	0.0	0.1	0.0	0.0	0.1	0.0	0.0
ltgb8	1.7	3.6	5.3	1.3	3.6	1.9	3.6	6.0	6.9	3.3	3.0	5.6
ltgb11	61.5	19.4	20.1	39.5	15.3	48.4	13.7	33.7	19.4	14.2	22.9	29.6
ltih1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
ltih2	1.9	1.3	1.3	0.4	0.8	1.0	0.5	1.0	0.4	0.6	0.7	1.0
ltih3	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1
ltih4	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
ltih5	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0
ltm2a	2.9	2.6	4.9	0.6	1.2	1.2	1.1	3.8	2.5	3.6	2.8	3.2
ltm2b	463.3	408.6	481.2	602.3	592.4	493.0	396.0	376.3	372.4	444.4	364.6	495.6
ltm2c	153.9	126.1	116.7	191.4	142.4	173.3	121.8	110.0	111.9	144.6	108.8	123.7
ltpa	18.0	16.2	16.0	17.6	18.1	15.6	13.1	16.3	18.1	17.6	15.7	13.2
ltpk1	4.7	6.0	4.2	5.0	3.7	4.3	5.7	6.1	5.5	4.3	5.1	4.2
ltпка	0.0	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
ltpkb	4.1	4.2	5.1	5.0	6.2	4.2	4.4	4.9	4.3	3.9	3.8	4.4
ltpkc	3.6	4.2	4.2	3.1	4.1	4.1	4.4	4.5	4.3	4.3	3.7	4.3
ltpr1	15.1	15.7	16.3	17.7	16.8	18.1	17.1	13.0	15.8	16.6	16.2	14.9
ltpr2	8.3	7.3	7.6	9.5	7.7	9.8	7.3	6.5	6.1	4.9	5.8	6.8
ltpr3	2.3	1.7	1.8	1.7	2.6	2.0	1.7	2.3	1.8	1.9	2.0	1.4
ltpr1p	7.7	7.0	4.7	7.4	10.8	7.0	12.1	4.7	8.3	7.4	7.7	6.0
ltpr1p1	2.8	3.0	3.1	3.0	3.6	2.6	3.1	2.5	2.5	2.0	2.1	2.0
ltpr1p2	75.8	62.9	54.8	89.8	83.6	92.5	64.2	48.4	56.1	55.0	52.5	57.1
ltsn1	36.9	52.5	65.4	49.7	45.5	40.5	63.9	70.3	62.3	32.0	43.2	51.0
ltsn2	18.2	18.6	16.9	20.2	20.5	16.0	20.4	16.6	16.6	16.9	21.1	22.1

Online Table 1

Ivd	13.6	16.2	18.4	11.1	11.0	12.1	10.6	14.7	13.5	13.3	14.1	12.5
Ivl	2.3	0.4	0.2	0.8	0.5	0.2	0.6	0.1	0.2	7.5	2.5	1.6
Ivns1abp	18.4	17.0	16.4	23.9	20.8	20.9	22.5	17.2	21.5	21.7	24.9	17.6
Iws1	4.2	4.0	4.1	4.5	4.0	3.9	4.8	4.2	3.9	3.9	4.8	4.6
Izumo4	9.2	10.4	11.4	7.9	8.8	9.5	9.7	8.5	13.5	7.3	9.1	11.2
Jag1	37.7	43.6	42.7	36.5	42.3	32.5	43.8	42.6	57.1	26.8	38.8	34.2
Jag2	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Jagn1	23.3	20.5	16.5	23.8	19.4	20.2	19.9	21.3	19.8	22.3	21.8	20.5
Jak1	53.4	55.1	57.5	54.7	63.0	54.2	65.2	60.3	58.0	56.8	60.5	70.2
Jak2	22.4	31.0	31.6	22.9	32.2	22.4	30.7	25.0	27.0	31.0	31.1	32.2
Jak3	0.8	1.4	1.3	0.9	1.3	0.8	1.5	0.7	1.3	1.0	0.8	0.8
Jakmip2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Jakmip3	0.5	0.5	0.4	0.6	0.4	0.9	0.3	0.3	0.2	0.2	0.2	0.4
Jam2	25.3	23.4	21.8	18.0	21.0	16.2	19.4	19.0	13.5	22.3	22.7	23.0
Jam3	35.8	30.7	26.4	34.5	26.7	36.8	26.3	27.8	28.9	30.9	31.3	28.6
Jarid2	1.1	1.4	1.5	0.9	1.6	1.0	1.3	1.5	1.3	1.6	1.7	1.4
Jazf1	2.1	2.2	2.7	2.4	1.9	2.5	1.7	1.9	1.6	2.5	1.8	1.9
Jdp2	36.0	30.5	31.7	44.6	28.4	38.2	38.1	38.6	36.4	31.4	40.3	34.4
Jhdm1d	2.3	2.5	2.7	2.3	3.1	1.9	1.6	1.8	1.8	2.3	1.8	2.4
Jkamp	20.2	18.9	17.9	21.0	19.2	20.6	18.8	19.2	20.1	22.7	21.7	20.4
Jmjd1c	7.2	7.8	7.4	8.1	8.5	7.9	7.4	6.7	6.0	6.8	6.6	7.5
Jmjd4	2.1	2.2	2.5	1.7	2.6	2.3	2.2	2.1	2.9	2.7	2.5	2.2
Jmjd6	17.7	15.7	15.4	15.3	17.1	14.2	19.9	15.7	18.1	18.0	19.0	17.7
Jmjd7	2.1	1.7	1.5	1.6	1.3	1.7	2.0	2.7	1.1	1.6	1.4	1.3
Jmjd8	8.0	8.5	10.4	10.0	8.8	10.2	8.9	11.6	9.1	10.0	8.1	10.3
Jmy	4.2	4.4	4.3	4.5	3.8	4.6	3.9	3.9	4.0	5.2	4.8	4.9
Josd1	13.1	12.9	11.3	12.4	11.8	13.1	10.6	11.8	11.9	13.0	10.8	11.2
Josd2	25.1	23.2	17.2	25.2	25.8	25.1	20.7	21.2	25.7	21.6	22.3	17.7
Jph1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.5	0.5	0.2
Jph2	33.9	37.5	35.7	34.4	32.6	36.4	50.2	35.5	51.3	29.5	35.4	38.6
Jph3	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1
Jph4	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2
Jpx	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1
Jrk	1.6	1.4	1.5	1.1	1.2	1.7	1.4	1.4	1.4	1.2	1.2	1.5
Jrkl	4.7	4.7	5.0	4.1	3.9	4.3	3.7	4.6	5.7	4.9	6.2	6.3
Jsrp1	0.2	0.2	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.2
Jtb	28.7	25.1	22.2	26.3	27.1	23.1	24.7	26.2	26.3	27.9	25.1	28.3
Jun	9.1	5.7	4.1	9.8	10.8	5.1	7.1	4.9	5.2	14.7	7.6	6.0
Junb	34.8	40.7	44.6	34.6	57.1	26.5	48.4	42.4	52.8	77.6	38.6	47.6
Jund	23.7	14.6	10.6	19.0	15.6	19.8	15.5	17.5	15.6	17.3	13.3	13.6
Jup	13.0	12.1	6.8	13.3	12.0	12.4	14.7	11.8	14.4	13.5	17.9	9.4
Kalrn	3.5	4.3	5.6	3.2	5.3	2.4	5.3	4.7	6.2	8.0	6.7	8.3
Kank1	12.8	11.1	12.0	10.9	7.3	10.7	4.8	5.4	5.0	20.6	11.1	10.8
Kank2	52.7	53.2	44.9	55.5	42.1	53.4	56.6	53.7	50.1	43.9	51.6	48.0
Kank3	2.2	1.7	1.7	1.2	1.7	2.0	1.2	0.8	1.4	2.0	1.3	1.5
Kank4	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.1	0.3	0.1	0.1
Kansl1	8.5	9.3	9.2	8.9	8.9	9.0	8.4	8.7	8.9	8.3	8.6	8.2
Kansl1l	3.7	4.7	5.4	3.7	4.6	4.1	4.0	5.2	4.4	5.3	5.3	5.5
Kansl2	36.6	38.2	29.4	37.4	31.4	30.9	33.3	31.8	32.7	33.9	33.6	31.0
Kansl3	10.1	9.6	8.8	10.5	9.1	10.4	10.8	7.6	9.6	6.8	8.5	8.1
Kars	47.3	41.5	38.1	53.8	41.9	48.8	40.7	43.5	34.1	37.8	43.5	39.9
Kat2a	5.3	5.5	5.8	5.1	5.7	5.2	5.0	6.2	4.7	5.3	5.3	3.9
Kat2b	19.7	24.3	26.2	16.3	15.7	15.7	14.8	21.2	22.0	17.7	20.7	23.0
Kat5	9.5	9.8	10.0	11.3	9.2	10.5	12.2	11.5	10.3	10.1	10.2	10.3
Kat6a	2.9	3.9	4.8	3.4	4.0	3.2	4.3	4.4	3.8	4.0	4.5	4.2
Kat6b	3.1	3.8	4.2	3.2	3.0	3.4	3.8	4.9	3.7	4.2	4.4	4.5
Kat7	7.4	8.8	8.2	7.4	7.5	7.8	8.6	8.5	7.7	7.3	7.6	7.8

Online Table 1

Kat8	11.9	12.3	12.5	11.0	10.5	11.4	9.4	11.6	11.0	10.7	11.8	9.5
Katna1	18.7	17.7	15.9	16.1	14.9	15.5	14.0	14.8	13.7	16.7	15.8	15.6
Katna1	7.4	7.0	7.2	9.2	5.5	7.9	6.1	4.7	5.6	5.2	6.3	6.7
Katna2	0.3	0.6	0.7	0.5	0.5	0.6	0.6	0.3	0.4	0.4	0.6	0.5
Katnb1	3.7	4.1	4.0	3.7	3.8	4.4	3.6	3.4	3.5	3.7	4.0	3.3
Katnb1	6.0	7.7	6.6	6.9	6.6	7.0	6.8	6.0	7.5	6.5	8.8	6.8
Kazald1	2.6	2.5	2.6	2.6	1.5	6.8	3.5	2.6	3.5	4.0	3.9	3.7
Kazn	3.1	3.7	4.1	2.5	3.7	2.8	4.0	5.7	4.2	5.2	6.1	3.4
Kbtbd11	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Kbtbd2	8.8	9.0	8.6	8.4	9.0	8.1	9.2	8.1	10.1	10.3	9.5	9.6
Kbtbd3	0.7	0.7	0.8	1.3	0.7	1.1	0.6	0.7	1.1	0.9	1.2	1.1
Kbtbd4	6.4	7.4	6.2	5.7	7.2	6.5	6.1	6.3	6.9	7.1	6.9	6.4
Kbtbd7	1.2	1.6	2.1	1.5	1.3	1.4	1.4	1.8	1.9	1.8	1.5	1.9
Kbtbd8	0.3	0.4	0.3	0.3	0.5	0.2	0.2	0.3	0.3	0.5	0.3	0.4
Kcmf1	23.4	21.1	19.4	24.5	18.4	26.1	20.0	17.8	19.1	19.5	21.6	20.0
Kcna1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcna2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcna3	0.0	0.0	0.0	0.2	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Kcna4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcna5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Kcna6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnab1	24.1	30.6	25.8	31.1	20.0	42.3	26.0	14.6	27.9	23.8	21.7	16.6
Kcnab2	1.3	0.7	0.8	4.5	6.3	0.8	1.1	0.6	0.5	0.7	0.5	0.7
Kcnab3	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Kcnb1	0.6	1.2	1.3	0.6	0.6	0.9	0.9	1.4	0.9	0.8	0.6	0.9
Kcnc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnd1	0.4	1.5	1.1	0.1	0.7	0.7	1.0	1.2	0.8	0.6	0.6	0.5
Kcnd2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnd3	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.1	0.0
Kcne1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcne1l	0.2	0.3	0.4	0.0	0.5	0.2	0.1	0.3	0.2	0.0	0.1	0.2
Kcne2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcne3	0.1	0.0	0.0	0.4	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Kcne4	78.7	128.2	125.7	85.7	78.5	107.5	87.1	132.9	136.6	39.8	45.5	100.4
Kcnf1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Kcng2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Kcng4	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Kcnh1	0.2	0.2	0.4	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2
Kcnh2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1
Kcnh3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnh4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnh5	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Kcnip1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnip2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Kcnip3	0.4	0.3	0.6	0.6	0.6	0.4	0.5	0.9	0.5	0.3	0.3	0.4
Kcnip4	0.1	0.2	0.0	0.2	0.1	0.3	0.2	0.2	0.3	0.2	0.1	0.2
Kcnj10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnj12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnj13	0.1	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1
Kcnj14	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Kcnj15	3.6	2.6	3.3	3.7	4.4	3.6	5.3	2.8	3.2	5.4	4.5	7.1
Kcnj2	0.2	0.1	0.1	1.7	2.4	0.0	0.3	0.3	0.2	0.2	0.3	0.3
Kcnj4	1.9	1.8	1.2	1.5	1.6	2.3	1.1	0.8	0.8	1.4	0.8	1.3
Kcnj5	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnj6	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Kcnj8	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.1

Online Table 1

Kcnj9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk12	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk13	0.2	0.0	0.0	1.3	2.9	0.0	0.3	0.0	0.1	0.3	0.1	0.1
Kcnk15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Kcnk2	1.4	1.2	0.6	2.5	1.3	1.8	1.2	0.8	0.8	0.5	0.6	0.5
Kcnk5	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.0	0.3	0.1
Kcnk6	0.2	0.2	0.1	0.9	1.0	0.1	0.1	0.2	0.1	0.2	0.1	0.2
Kcnk7	0.1	0.0	0.1	0.1	0.3	0.0	0.2	0.1	0.1	0.2	0.2	0.0
Kcnma1	0.4	0.3	0.2	0.8	0.3	0.8	0.2	0.4	0.3	0.5	0.9	0.4
Kcnmb1	0.2	0.0	0.0	0.3	0.1	0.3	0.1	0.0	0.1	0.0	0.0	0.0
Kcnmb3	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Kcnmb4	0.3	0.0	0.0	0.5	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Kcnn1	1.0	0.8	1.0	0.9	0.6	1.4	0.7	0.6	0.7	0.8	0.8	0.8
Kcnn3	0.5	0.3	0.3	0.8	0.6	0.8	0.5	0.4	0.2	0.1	0.2	0.1
Kcnn4	1.0	0.3	0.2	7.7	13.5	0.2	1.5	0.2	0.2	0.9	0.2	0.7
Kcnq1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Kcnq1ot1	0.4	0.7	0.5	0.4	0.5	0.5	0.7	0.5	0.3	0.5	0.5	0.4
Kcnq3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnq4	0.3	0.4	0.5	0.3	0.1	0.5	0.2	0.2	0.3	0.2	0.1	0.1
Kcnq5	0.2	0.2	0.1	0.2	0.1	0.3	0.0	0.0	0.0	0.1	0.0	0.1
Kcng	0.1	0.2	0.1	0.1	0.4	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Kcns1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.3	0.1	0.1	0.1
Kcns3	0.1	0.1	0.1	0.0	0.2	0.0	0.1	0.1	0.6	0.3	0.1	0.1
Kcnt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnt2	3.3	4.7	5.5	2.1	2.2	2.5	2.3	4.9	3.3	2.1	2.7	2.6
Kcnu1	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.0	0.1	0.2	0.1	0.1
Kcnv2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcp	0.2	0.8	0.8	0.1	0.3	0.1	0.1	0.4	0.5	0.2	0.1	0.2
Kctd1	1.6	1.7	1.5	2.2	1.6	1.9	1.5	1.6	1.4	2.9	2.2	2.0
Kctd10	96.7	84.3	57.5	112.3	75.8	106.3	96.3	56.8	79.9	91.2	82.4	77.4
Kctd11	9.5	11.5	12.6	9.0	16.1	7.1	16.2	20.8	17.7	14.9	14.3	14.9
Kctd12	1.3	0.5	0.8	3.3	14.2	0.4	2.9	1.1	0.8	2.2	1.2	1.8
Kctd12b	0.2	0.4	0.7	0.4	0.5	0.3	0.4	0.4	0.3	0.2	0.2	0.4
Kctd13	4.6	4.3	3.7	4.4	4.8	4.7	3.9	3.8	3.8	4.1	3.9	3.8
Kctd14	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1
Kctd15	3.4	3.5	5.8	2.0	3.5	1.9	5.4	9.4	7.1	7.0	7.8	4.6
Kctd16	0.1	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Kctd17	11.6	12.7	14.2	14.6	11.8	14.0	15.8	13.8	13.9	12.7	13.1	12.0
Kctd18	5.5	4.7	3.6	5.9	4.2	5.2	4.2	4.2	4.5	4.8	4.3	5.5
Kctd2	14.8	10.5	10.5	14.6	10.6	15.4	11.3	9.2	10.9	9.3	13.0	11.3
Kctd20	23.2	22.7	19.9	23.6	22.0	21.6	22.5	20.2	21.0	20.0	21.8	18.4
Kctd21	3.9	3.9	3.0	4.2	4.2	4.0	3.5	3.3	3.8	3.7	4.5	3.4
Kctd3	9.5	9.3	9.4	10.0	8.5	10.7	8.8	9.2	9.6	8.6	9.3	8.6
Kctd4	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Kctd5	28.2	30.2	27.8	22.2	28.4	20.6	29.7	28.4	36.6	28.1	31.0	30.7
Kctd6	3.6	2.9	3.6	3.3	3.8	3.7	3.1	3.6	3.3	3.0	3.2	3.6
Kctd7	2.1	3.0	2.5	2.6	3.1	2.6	3.4	3.1	3.5	2.3	2.8	2.7
Kctd8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kctd9	6.8	7.3	7.3	5.8	6.9	5.4	9.6	8.5	9.8	6.6	8.7	7.4
Kdelc1	10.5	13.3	13.0	8.2	11.4	11.6	12.3	15.0	13.4	14.0	13.8	12.9
Kdelc2	12.0	12.9	17.7	11.9	13.6	13.1	17.6	20.0	18.1	15.1	17.0	19.0
Kdelr1	63.5	59.2	56.4	65.7	57.7	69.1	68.0	74.4	65.5	67.2	65.5	63.4
Kdelr2	119.9	106.9	109.3	125.4	113.6	118.0	140.8	145.9	126.0	120.3	139.8	130.9
Kdelr3	58.4	53.7	44.4	55.3	53.3	51.3	57.4	60.7	60.1	48.9	60.4	55.2
Kdm1a	14.9	15.4	16.1	13.4	13.3	16.0	15.5	18.2	17.1	19.1	16.9	18.2
Kdm1b	4.3	3.8	3.7	5.3	3.6	5.4	3.4	3.0	3.2	3.6	3.8	3.5

Online Table 1

Kdm2a	10.7	11.4	12.3	12.2	11.5	11.2	12.5	12.6	10.9	10.8	11.9	11.4
Kdm2b	4.2	4.7	4.3	3.9	4.3	4.4	4.5	4.1	4.2	4.2	4.6	4.2
Kdm3a	7.7	7.5	6.9	6.0	8.0	6.6	6.9	6.4	7.9	9.5	7.5	8.8
Kdm3b	6.1	7.0	7.4	6.8	6.3	6.2	8.1	6.9	6.9	6.8	7.1	7.0
Kdm4a	19.9	18.6	18.5	18.8	17.9	17.8	19.9	21.2	21.3	18.2	19.6	18.1
Kdm4b	4.4	5.3	5.2	3.1	4.3	4.3	4.8	5.6	6.1	4.8	4.8	5.0
Kdm4c	9.2	8.4	8.3	7.2	7.1	6.8	7.1	6.9	8.1	9.3	8.9	9.2
Kdm4d	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.2
Kdm5a	11.0	11.6	10.7	10.4	9.6	10.4	9.8	9.5	9.1	10.5	10.4	11.1
Kdm5b	11.7	13.8	11.8	11.4	10.9	13.3	10.2	12.2	12.8	12.8	12.2	12.6
Kdm5c	11.5	12.4	12.3	11.9	12.0	10.7	13.1	13.6	13.8	13.4	12.7	12.8
Kdm5d	7.8	6.4	7.3	5.4	5.5	7.2	6.1	7.3	6.2	6.8	7.3	6.8
Kdm6a	2.6	3.1	3.3	2.3	2.6	2.5	2.2	3.0	3.0	2.8	2.5	2.8
Kdm6b	0.4	0.6	0.5	0.4	0.4	0.5	0.4	0.7	0.8	0.7	0.4	0.4
Kdm8	0.9	1.2	0.8	1.3	1.1	0.7	1.2	1.1	0.9	1.2	1.3	1.2
Kdr	0.3	0.1	0.3	0.1	0.1	0.0	0.5	0.7	0.6	0.6	0.2	0.2
Kdsr	11.1	7.0	5.4	12.6	9.3	9.9	9.7	7.3	8.1	9.7	11.2	8.9
Keap1	15.0	13.6	14.0	17.0	14.0	17.5	16.4	14.5	15.7	16.8	14.8	15.5
Khdc1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Khdrbs1	14.4	15.3	17.3	13.8	16.2	14.8	16.7	17.8	15.5	17.6	17.0	15.3
Khdrbs3	16.6	22.0	30.3	16.9	18.8	15.2	28.1	33.3	24.5	17.0	25.8	24.4
Khk	0.5	1.2	0.9	1.1	1.0	0.9	0.6	0.9	0.6	2.2	1.4	0.8
Khynyn	5.2	7.4	7.2	4.4	5.7	6.5	6.0	6.1	7.1	5.9	4.7	6.2
Khsrp	8.7	9.8	10.5	8.3	10.2	9.3	11.7	11.4	11.4	11.5	10.3	8.7
Kidins220	33.1	28.0	27.7	33.5	29.3	30.3	30.8	26.7	27.9	33.1	36.0	34.7
Kif11	1.7	3.3	5.1	0.4	5.0	0.6	6.5	2.6	5.2	2.5	4.7	2.7
Kif13a	8.5	7.7	7.5	8.3	7.7	8.3	9.2	8.1	8.0	7.9	8.7	8.4
Kif13b	10.1	11.4	11.3	10.6	9.7	9.3	11.3	10.1	10.4	12.2	9.9	11.7
Kif14	0.2	0.4	0.8	0.1	0.6	0.0	0.9	0.3	0.6	0.3	0.5	0.4
Kif15	0.6	1.5	2.2	0.3	1.9	0.3	2.4	1.0	1.6	0.7	1.1	1.0
Kif16b	6.6	6.2	6.6	7.8	6.4	6.9	5.8	6.0	5.7	5.7	6.6	7.1
Kif17	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.0
Kif18a	1.0	1.6	2.6	0.7	1.9	0.9	2.5	1.1	1.7	1.1	1.9	1.4
Kif18b	0.7	2.0	3.3	0.5	2.9	0.3	4.6	1.3	2.9	1.1	2.2	1.3
Kif19a	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Kif1a	38.5	34.3	22.2	39.1	25.4	44.1	27.6	17.6	17.6	16.8	22.8	21.1
Kif1b	27.7	28.9	26.0	29.8	25.4	30.0	27.1	24.9	23.5	23.9	29.0	26.3
Kif1c	72.1	58.2	50.2	82.0	52.4	88.5	66.8	50.3	56.1	54.9	65.2	57.8
Kif20a	4.4	8.0	13.4	1.9	11.1	1.7	15.2	6.0	11.6	5.8	10.6	7.0
Kif20b	1.2	2.8	5.1	0.7	3.9	0.5	5.0	1.8	3.7	1.7	3.2	2.3
Kif21a	3.8	3.0	3.9	3.5	2.6	3.4	2.6	3.3	2.6	4.3	3.3	4.0
Kif21b	1.0	1.4	1.2	1.5	1.8	1.4	1.1	1.5	1.1	0.6	0.8	0.6
Kif22	1.6	3.6	5.2	0.9	4.2	0.6	6.7	3.0	5.3	2.3	4.5	2.3
Kif23	1.3	2.1	3.8	0.7	3.8	0.3	4.4	1.9	2.8	1.5	3.0	2.0
Kif24	0.3	0.4	0.5	0.3	0.4	0.2	0.5	0.4	0.4	0.2	0.2	0.3
Kif26a	0.2	0.3	0.3	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1
Kif26b	7.3	12.6	18.7	6.1	14.1	4.8	17.7	22.9	23.9	16.9	15.1	18.8
Kif27	0.1	0.1	0.2	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Kif2a	5.6	5.3	4.7	6.8	4.6	6.9	5.3	4.3	4.5	4.7	5.2	4.6
Kif2c	1.7	3.7	6.1	0.5	4.8	0.5	7.5	2.3	5.1	2.4	4.2	3.1
Kif3a	7.9	7.7	8.1	9.0	6.5	9.1	7.1	6.5	6.2	6.8	8.3	8.5
Kif3b	14.9	12.6	11.1	15.7	13.0	15.1	11.9	10.7	10.6	10.9	12.3	13.1
Kif3c	5.5	5.5	5.0	6.6	5.2	7.3	5.9	4.0	5.1	4.6	5.4	5.1
Kif4	1.4	2.6	4.0	0.6	3.8	0.5	5.0	1.9	3.7	2.0	3.7	2.3
Kif5a	0.9	0.8	0.5	0.8	0.6	0.9	0.6	0.5	0.4	0.6	0.5	0.5
Kif5b	83.4	66.2	53.4	94.0	65.0	81.6	65.8	56.1	72.5	62.0	85.1	79.2
Kif5c	1.8	1.6	1.6	1.9	1.5	1.4	1.7	1.0	0.9	1.2	1.1	1.1

Online Table 1

Kif6	0.1	0.1	0.1	0.2	0.1	0.2	0.0	0.1	0.0	0.1	0.2	0.1
Kif7	3.3	4.9	4.4	3.0	2.5	3.1	3.5	4.7	3.7	3.4	3.4	3.4
Kif9	1.6	1.3	1.4	1.6	1.1	1.8	1.1	1.1	0.8	1.1	1.2	1.2
Kifap3	14.4	14.2	14.3	14.3	12.9	16.3	13.3	12.7	14.4	14.1	15.9	17.0
Kifc1	3.7	5.1	6.3	2.0	6.3	2.0	7.1	2.6	6.0	4.4	5.1	3.7
Kifc2	0.7	0.8	1.0	0.8	0.5	0.8	0.6	0.8	1.0	0.7	0.3	0.6
Kifc3	14.0	11.3	9.2	12.8	10.6	10.9	13.5	10.4	12.6	16.4	14.0	11.6
Kifc5b	1.7	2.9	3.5	0.9	3.6	0.8	3.7	1.4	2.8	1.8	2.7	1.8
Kin	7.8	8.8	9.8	8.6	6.9	7.3	8.7	8.0	7.4	9.7	10.5	10.4
Kirrel	16.8	25.2	28.4	16.4	19.5	19.3	32.6	28.8	33.8	21.5	22.4	21.9
Kirrel3	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Kiss1r	0.5	0.5	0.5	0.4	0.3	0.5	0.5	0.4	0.5	0.4	0.4	0.4
Kit	0.3	0.2	0.3	0.2	0.1	0.1	0.2	0.6	0.4	0.1	0.1	0.0
Kitl	20.1	18.3	10.3	30.6	14.3	33.7	9.7	7.9	7.8	8.6	8.0	8.1
Klb	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Klc1	73.2	62.6	60.2	76.9	56.4	72.2	77.2	61.9	61.8	57.3	72.1	66.4
Klc2	5.1	4.6	4.7	6.4	4.7	6.1	5.4	4.6	4.9	4.8	5.9	4.9
Klc3	2.9	2.3	2.3	1.5	1.6	3.2	0.8	1.0	1.4	4.3	2.6	2.0
Klc4	7.4	7.5	6.6	10.0	7.8	7.3	6.6	7.2	7.1	8.4	7.2	6.6
Klf1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Klf10	2.5	2.1	2.7	2.4	4.7	1.2	3.9	5.9	4.4	5.0	4.1	3.6
Klf11	1.8	2.2	2.1	2.5	2.3	2.6	2.2	2.3	2.0	2.6	1.9	1.9
Klf12	0.7	0.9	1.1	0.4	0.5	0.8	0.7	0.9	0.8	0.4	0.7	0.4
Klf13	4.4	4.9	4.5	4.2	5.0	4.1	4.9	6.5	5.1	3.4	4.1	4.1
Klf15	5.4	4.8	5.0	3.9	2.2	7.0	2.7	3.3	3.8	2.6	2.4	3.2
Klf16	4.1	4.1	3.7	3.8	3.8	3.3	4.8	4.5	5.3	3.5	4.0	3.6
Klf17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klf2	0.4	0.6	0.2	1.2	0.9	1.0	1.8	2.3	2.3	1.9	1.3	1.0
Klf3	18.1	20.9	24.7	19.9	16.4	20.2	27.0	29.6	24.5	19.3	25.8	23.4
Klf4	21.5	24.0	22.4	15.8	16.3	19.5	28.9	35.8	27.6	17.1	29.9	22.3
Klf5	0.6	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.4	0.7	0.3
Klf6	31.4	33.4	32.2	36.9	39.1	32.9	44.6	35.3	47.2	33.7	43.2	38.5
Klf7	2.7	3.2	3.8	3.6	3.3	3.7	3.6	4.2	3.3	2.7	2.5	2.5
Klf8	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Klf9	8.5	8.2	9.6	8.2	6.3	10.1	8.7	10.8	9.0	12.1	10.0	12.1
Klhdc1	2.8	3.3	3.5	3.0	2.1	3.7	2.3	2.5	2.0	2.7	2.8	3.6
Klhdc10	5.8	5.8	5.9	6.1	5.6	6.2	5.4	5.2	5.2	5.3	5.2	5.4
Klhdc2	34.9	35.7	30.5	31.9	26.8	40.8	29.2	27.0	30.4	33.9	32.1	31.0
Klhdc3	9.2	11.4	11.2	10.5	12.4	10.6	12.3	11.5	12.0	13.3	10.6	9.5
Klhdc4	11.1	10.6	10.0	13.0	11.4	11.0	11.9	11.0	10.2	12.3	14.0	12.2
Klhdc5	6.9	6.9	6.9	6.1	6.3	6.2	6.0	6.7	6.4	6.9	7.1	6.8
Klhdc7a	2.2	1.6	1.6	1.1	1.4	1.0	0.9	0.7	0.7	1.4	1.1	1.3
Klhdc8a	3.1	2.3	1.0	4.7	2.6	3.3	2.4	1.4	2.3	3.7	4.4	1.9
Klhdc8b	2.4	2.6	2.8	1.7	1.7	1.9	1.6	1.6	2.9	1.8	1.4	1.7
Klhdc9	1.1	0.6	0.9	0.7	1.0	1.0	0.9	0.9	0.6	1.4	0.9	0.9
Klh10	0.3	0.4	0.4	0.1	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2
Klh11	10.2	12.2	10.4	11.0	9.4	10.3	9.6	9.5	9.7	11.5	10.8	11.1
Klh12	8.6	8.0	7.2	6.1	6.3	9.2	6.0	5.8	6.1	6.5	5.8	6.6
Klh13	27.4	22.5	13.6	18.7	16.9	11.8	27.3	16.0	43.4	28.7	40.0	44.1
Klh15	1.8	2.2	1.7	1.5	2.1	1.4	2.2	1.9	1.8	2.0	1.9	2.1
Klh17	3.7	4.3	3.4	4.3	3.0	6.4	3.0	2.9	3.5	3.6	3.1	3.2
Klh18	3.4	3.5	3.2	3.4	3.2	3.0	3.7	3.6	3.3	3.2	3.3	3.1
Klh12	10.8	9.1	8.9	12.2	9.7	8.7	11.2	8.0	8.8	11.0	12.1	11.4
Klh20	7.1	7.9	8.4	8.7	7.7	8.1	8.0	7.8	7.5	7.8	8.0	8.7
Klh21	9.6	9.2	7.6	8.3	9.3	11.4	9.6	7.7	9.5	11.8	8.6	8.3
Klh22	25.9	23.1	18.7	24.4	19.7	25.1	19.3	19.1	19.3	24.4	21.8	19.4
Klh23	1.6	1.5	1.3	1.0	0.9	2.3	1.4	1.2	1.5	1.5	1.7	1.6

Online Table 1

Klhl24	20.5	23.4	21.6	21.3	20.8	22.0	16.3	17.2	20.0	25.6	23.4	26.5
Klhl25	5.8	5.0	4.5	4.9	6.3	4.9	5.7	5.3	5.7	4.4	4.6	5.5
Klhl26	11.9	13.0	11.5	11.4	12.2	14.6	15.8	12.3	13.9	15.0	14.7	13.9
Klhl28	4.7	6.4	5.7	5.5	5.4	5.9	4.8	3.9	5.9	5.5	4.8	5.6
Klhl29	0.5	1.1	1.5	0.5	0.9	0.6	1.2	0.7	1.0	1.0	0.7	0.9
Klhl3	0.0	0.0	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Klhl30	0.3	0.3	0.1	1.0	0.2	0.6	0.2	0.1	0.3	0.3	0.1	0.1
Klhl31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klhl32	0.1	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Klhl33	0.1	0.0	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1
Klhl35	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Klhl36	3.6	4.2	3.9	4.3	3.0	4.2	3.4	3.9	3.6	3.2	2.3	2.9
Klhl38	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Klhl4	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Klhl41	0.2	0.1	0.0	0.1	0.1	0.2	0.1	0.0	0.2	0.2	0.1	0.1
Klhl5	33.8	33.7	33.1	34.0	32.6	32.0	38.7	25.5	27.9	29.5	34.7	33.6
Klhl6	9.7	11.2	10.8	11.7	14.5	10.0	10.1	4.5	6.7	9.9	7.6	9.0
Klhl7	9.9	8.3	8.0	9.0	6.8	9.7	7.3	7.4	7.7	9.2	9.4	10.7
Klhl8	3.7	3.6	3.4	3.5	2.5	4.4	2.7	2.2	2.6	2.6	3.3	2.7
Klhl9	33.7	34.4	37.5	32.8	35.0	36.9	33.9	39.9	38.5	45.0	43.6	44.6
Klk10	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Klk8	2.9	0.5	0.2	2.8	0.3	3.1	0.5	0.1	0.3	0.3	0.5	0.6
Klkb1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Klra18	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Klra2	2.7	1.9	1.1	2.8	4.5	1.6	2.0	0.5	0.8	0.8	2.0	1.5
Klra22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klra33	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Klra4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Klrb1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klrg2	0.7	0.5	0.3	0.4	0.3	0.3	0.5	0.9	0.7	0.7	0.6	0.6
Kndc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kng1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Kng2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.5	0.3	0.1
Knstrn	1.6	2.7	4.8	0.8	4.1	0.7	6.2	2.3	4.3	2.0	3.9	2.6
Kntc1	1.2	2.0	3.2	0.5	2.9	0.3	3.1	1.3	2.8	1.2	1.8	1.4
Kpna1	17.2	17.8	15.0	18.5	16.8	17.7	15.1	13.4	15.0	16.2	17.0	16.2
Kpna2	37.1	40.8	49.4	30.2	47.0	27.3	54.4	36.3	43.0	37.1	48.1	34.9
Kpna3	10.6	10.9	11.1	12.7	12.8	11.4	11.5	10.2	10.0	11.0	12.8	12.2
Kpna4	34.3	34.4	31.0	41.9	36.2	36.3	35.1	29.1	31.6	30.8	40.7	36.6
Kpna6	20.8	18.0	16.3	24.7	18.3	22.0	18.5	17.1	16.7	18.8	19.2	17.5
Kpna7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kpnb1	54.3	48.6	48.4	50.5	53.9	47.5	63.2	58.0	59.3	51.4	62.2	52.1
Kptn	3.4	2.9	3.3	2.8	2.4	2.3	3.8	4.6	4.1	3.7	3.4	3.4
Kras	6.1	6.1	6.6	9.1	7.4	8.6	9.7	8.1	8.2	6.5	9.7	9.1
Krba1	1.5	1.2	1.2	1.0	1.0	1.4	1.2	1.2	1.2	1.6	1.2	1.1
Krcc1	70.8	57.4	62.6	82.7	49.5	74.6	64.5	54.7	45.1	46.7	80.0	72.1
Kremen1	7.7	8.8	8.6	7.9	9.1	7.9	8.8	8.9	10.0	8.4	8.2	8.7
Kri1	9.5	8.2	10.3	11.3	10.1	10.4	11.6	10.6	9.6	8.1	10.8	10.4
Krit1	10.2	11.9	11.6	10.3	9.3	10.4	9.5	9.6	11.0	10.2	11.5	11.4
Krr1	5.2	5.0	4.2	5.9	5.2	6.3	4.6	4.5	4.1	4.8	5.3	5.7
Krt10	0.2	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.1	0.3	0.3
Krt14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	1.6	1.1	0.1
Krt17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Krt18	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.2	3.0	0.5	1.0
Krt19	0.6	0.1	0.2	0.1	0.0	0.1	0.2	0.1	0.2	0.9	0.5	0.2
Krt20	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
Krt222	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0

Online Table 1

Krt23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt24	0.2	0.0	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Krt5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt7	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.5	0.2	4.2	1.9	0.6
Krt78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Krt8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	1.7	0.8	0.6
Krt80	0.7	0.1	0.0	0.8	0.3	0.3	0.1	0.2	0.1	0.1	0.1	0.1
Krtcap2	130.9	122.7	113.2	139.4	113.2	150.1	128.5	151.8	142.4	113.9	122.8	121.6
Krtcap3	0.1	0.1	0.2	0.5	0.3	0.1	0.9	0.3	0.2	0.2	0.4	0.5
Ksr1	2.8	4.6	5.4	3.5	4.4	3.2	3.4	3.7	3.1	2.7	2.8	2.7
Ksr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kti12	5.9	6.8	5.2	6.6	7.3	5.7	5.9	6.0	6.0	8.6	6.3	6.0
Ktn1	29.3	25.7	25.3	29.2	23.1	30.6	24.5	21.2	21.7	25.2	28.4	26.4
Kxd1	18.8	18.6	16.0	18.2	14.7	21.0	16.4	16.9	15.7	16.9	17.2	18.8
Kynu	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L1cam	0.4	0.1	0.1	2.0	4.0	0.3	0.9	0.2	0.2	0.3	0.3	0.3
L2hgdh	2.9	3.6	3.7	2.1	3.0	2.5	3.2	3.0	3.5	3.8	3.7	3.1
L3hypedh	7.3	8.1	6.9	6.6	6.6	7.8	7.1	6.6	5.1	10.0	8.3	7.9
L3mbtl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L3mbtl2	2.8	3.0	2.9	3.3	3.6	3.7	3.3	3.2	3.3	2.9	2.8	2.6
L3mbtl3	8.5	8.4	7.8	7.4	6.7	6.0	5.3	5.9	5.8	7.5	6.7	7.1
I7Rn6	20.0	21.8	18.1	21.9	18.5	20.4	18.1	15.7	20.3	21.2	21.4	20.0
Lacc1	5.0	4.1	3.7	5.8	8.1	5.0	4.2	3.3	3.3	4.7	3.9	4.4
Lace1	5.2	4.3	4.0	4.5	3.9	5.0	3.9	3.7	3.9	4.3	3.7	4.2
Lactb	4.5	4.0	5.8	5.9	7.4	4.8	4.6	4.7	5.7	5.7	5.6	6.1
Lactb2	16.3	18.0	16.2	21.0	15.7	22.5	17.3	17.4	14.5	12.8	19.7	17.0
Lag3	0.1	0.1	0.2	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1
Lage3	28.7	25.8	21.4	30.5	20.6	29.0	22.3	23.1	21.2	22.6	19.7	18.5
Lair1	0.4	0.0	0.0	5.0	7.0	0.0	1.2	0.2	0.1	0.6	0.2	0.4
Lama1	0.6	0.5	0.7	0.4	1.7	0.3	1.9	1.7	2.2	2.5	1.6	1.7
Lama2	32.0	33.4	32.5	27.4	25.3	30.2	22.7	40.4	24.7	8.8	16.0	12.4
Lama3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Lama4	62.4	93.0	136.9	33.7	93.3	46.3	96.1	131.0	103.0	66.4	75.9	85.7
Lama5	0.5	0.5	0.6	0.1	0.3	0.2	0.3	1.0	1.3	2.6	1.2	1.1
Lamb1	55.4	47.4	60.6	56.5	93.9	66.6	97.9	66.7	76.9	88.1	76.1	63.4
Lamb2	69.9	83.3	98.9	49.6	59.9	55.0	72.7	104.7	101.8	48.3	55.0	62.8
Lamb3	1.1	0.8	0.8	0.6	0.8	0.7	0.9	1.1	0.8	0.3	0.3	0.3
Lamc1	91.0	104.0	135.4	60.5	88.9	65.4	91.5	155.8	106.8	61.8	79.7	77.9
Lamc2	3.0	2.7	2.4	2.5	2.1	1.3	2.9	4.1	2.7	1.8	3.5	2.4
Lamc3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1
Lamp1	503.8	420.8	405.3	563.0	484.9	538.0	386.4	413.2	378.1	389.2	427.7	474.2
Lamp2	170.2	164.0	172.2	205.3	192.8	199.9	125.5	175.4	145.7	164.1	157.1	183.2
Lamp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lamtor1	58.2	51.7	45.1	63.8	56.8	56.3	54.5	56.0	51.8	57.1	53.0	56.5
Lamtor2	55.0	49.1	48.0	63.5	57.1	67.7	50.9	52.4	51.2	53.9	50.2	54.7
Lamtor3	37.3	37.9	35.0	42.1	33.2	40.9	32.8	29.0	32.8	34.9	35.8	38.6
Lamtor4	25.4	20.6	19.2	23.7	24.0	23.8	17.6	25.5	21.2	26.2	18.8	19.8
Lamtor5	39.5	38.7	35.8	41.9	38.8	43.4	36.0	35.2	40.9	46.9	39.7	40.7
Lancl1	8.2	8.0	6.3	7.1	5.8	8.0	5.7	5.2	6.3	7.2	5.4	5.9
Lancl2	2.5	2.8	2.8	2.3	2.3	2.2	2.4	2.8	2.6	2.3	2.4	1.9
Lancl3	0.3	0.1	0.1	0.6	0.2	0.5	0.1	0.0	0.1	0.1	0.0	0.1
Lap3	28.7	25.1	23.0	27.4	22.3	25.8	25.9	24.4	25.4	28.3	30.6	27.1
Laptm4a	249.4	218.9	203.7	246.8	228.3	228.8	210.2	233.1	242.5	385.1	296.7	297.9
Laptm4b	21.6	21.0	20.4	17.8	20.8	20.0	15.7	20.2	17.4	25.0	17.0	20.6
Laptm5	3.1	0.2	0.2	28.9	52.6	0.1	5.3	0.7	0.8	2.6	0.7	1.9
Large	26.7	24.6	21.8	24.5	22.4	25.6	27.6	20.0	32.2	24.7	25.6	30.6
Larp1	14.8	16.3	15.6	16.3	14.2	14.7	18.3	15.1	15.1	13.1	16.4	14.7

Online Table 1

Larp1b	8.0	7.1	7.4	7.5	6.3	5.9	7.0	4.9	7.3	6.7	10.6	9.9
Larp4	9.9	11.7	13.1	10.5	11.6	9.9	11.9	12.7	11.5	12.7	15.8	15.4
Larp4b	17.8	17.3	16.7	17.0	17.1	17.0	16.3	14.7	15.4	15.4	17.2	16.7
Larp6	3.0	3.9	4.3	3.0	2.6	3.2	2.8	2.9	2.5	2.5	2.1	2.6
Larp7	11.6	10.3	14.4	11.8	12.4	7.9	14.9	11.4	10.5	11.2	14.3	12.7
Lars	48.6	34.3	27.6	46.1	33.0	41.4	35.7	37.6	33.5	32.4	40.0	31.1
Lars2	0.5	0.6	0.6	0.8	0.8	0.6	0.5	0.8	0.7	0.7	0.7	0.5
Las1l	15.6	12.6	13.4	19.0	13.8	16.0	15.8	11.5	10.4	14.5	14.9	16.1
Lasp1	49.6	54.3	46.8	57.3	65.3	48.2	70.9	65.9	64.4	43.6	57.6	45.9
Lat	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0
Lat2	1.4	0.5	0.4	15.0	23.0	0.6	3.2	0.6	0.8	1.6	0.8	1.5
Lats1	9.5	9.8	10.1	10.7	9.0	10.0	10.3	10.6	9.7	9.3	11.2	9.9
Lats2	48.2	42.8	34.7	54.4	34.2	49.2	42.6	30.3	33.8	45.3	44.8	34.7
Lax1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Layn	37.0	35.6	37.5	56.9	45.5	50.6	41.5	33.0	29.8	29.1	32.2	34.7
Lbh	113.0	120.2	97.2	112.7	95.5	118.2	124.0	106.6	167.2	95.2	113.6	125.9
Lbp	5.6	5.3	15.2	4.0	10.1	2.1	6.8	11.2	5.7	4.3	3.7	6.1
Lbr	6.1	6.3	7.1	4.3	6.6	4.3	9.2	7.2	7.4	5.6	8.2	5.5
Lbx1	0.2	0.1	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Lbx2	0.4	0.1	0.2	0.3	0.2	1.1	0.1	0.1	0.1	0.2	0.1	0.1
Lca5	1.8	2.0	3.3	1.5	2.4	1.8	2.9	2.5	1.9	1.2	2.2	2.1
Lca5l	0.2	0.2	0.4	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.3
Lcat	1.7	1.4	1.6	0.9	1.3	1.2	1.5	0.9	0.9	1.4	0.8	1.2
Lce1g	0.3	0.0	0.0	0.8	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.1
Lce1m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lck	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Lclat1	16.8	20.2	19.2	17.8	16.7	17.2	26.4	18.2	31.6	16.4	23.7	24.8
Lcmt1	18.6	14.9	14.3	16.4	12.8	19.2	13.4	13.1	12.3	13.5	14.7	12.8
Lcmt2	1.9	2.3	1.7	1.5	2.1	2.5	1.6	2.2	2.2	2.7	1.9	2.1
Lcn2	6.3	3.1	8.4	4.7	2.1	1.5	1.2	2.0	0.6	0.5	0.5	0.9
Lcor	0.6	0.8	0.7	0.9	0.7	0.7	0.8	0.7	0.5	0.6	0.7	0.8
Lcorl	1.2	1.3	1.6	1.3	1.3	1.0	1.1	0.7	1.2	1.1	1.3	1.3
Lcp1	9.8	0.5	1.0	64.3	119.4	0.6	16.6	1.9	2.8	8.9	3.3	8.0
Lcp2	0.5	0.1	0.1	2.4	3.9	0.0	0.9	0.3	0.2	0.3	0.3	0.2
Lct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lctl	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Ldb1	21.4	20.9	22.2	25.4	20.8	23.0	24.9	22.2	23.8	22.0	21.5	20.6
Ldb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.5	0.5	0.2
Ldb3	1.4	1.0	0.7	1.5	1.2	1.1	1.8	1.1	1.5	1.0	1.8	1.3
Ldha	229.5	227.4	185.8	216.9	258.0	207.0	240.4	189.8	229.4	232.7	204.1	222.2
Ldhal6b	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.3	0.1
Ldhb	18.2	24.4	28.7	15.1	16.2	22.7	17.0	16.8	14.1	79.6	30.3	31.6
Ldhd	0.4	0.3	0.4	0.2	0.1	0.2	0.1	0.4	0.2	1.1	0.3	0.2
Ldlr	36.0	54.1	47.6	19.2	37.0	23.8	89.9	79.4	82.9	21.4	57.1	30.1
Ldlrad1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Ldlrad2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0
Ldlrad3	1.8	1.7	2.3	2.1	1.7	2.0	1.9	2.5	2.0	1.9	2.1	2.0
Ldlrad4	19.7	19.3	20.8	23.6	24.4	21.5	30.4	24.1	23.6	19.7	23.8	25.5
Ldlrap1	10.8	11.4	8.9	12.3	12.4	11.6	10.2	8.8	10.4	9.8	9.1	7.9
Ldoc1l	2.8	2.2	2.2	2.4	2.0	3.5	2.3	2.3	2.3	2.5	2.4	2.5
Leap2	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.3	0.8	0.1
Lef1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Lefty1	6.5	6.2	4.4	5.9	4.1	6.5	4.8	4.9	5.0	5.6	5.2	5.4
Lefty2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1
Lekr1	0.9	0.9	0.8	1.0	0.8	1.2	0.7	0.6	0.4	0.9	0.6	0.9
Lemd1	0.3	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0
Lemd2	12.1	11.5	10.5	12.5	11.0	13.5	12.3	11.0	12.6	13.8	11.9	12.3

Online Table 1

Lemd3	2.9	3.7	3.2	2.9	3.5	3.2	3.6	3.7	3.4	3.5	3.7	3.8
Lenep	1.2	0.9	1.2	0.8	1.0	1.6	1.3	1.2	0.7	0.6	0.3	1.0
Leng1	9.3	9.9	9.8	11.9	8.1	9.7	10.6	8.8	9.5	7.9	10.2	10.8
Leng8	5.1	6.4	6.1	5.3	5.3	5.0	6.5	5.1	7.2	4.8	4.4	4.1
Leng9	2.4	2.3	3.0	2.1	2.7	2.3	2.2	2.7	2.4	3.0	3.6	3.0
Leo1	16.2	18.3	17.4	17.4	15.7	15.6	17.7	14.9	14.5	13.2	15.7	16.7
Lep	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lepr	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Lepre1	51.3	42.9	42.4	58.3	47.1	49.5	55.9	61.6	49.5	47.8	54.1	42.5
Leprel1	0.6	0.6	0.9	0.3	0.4	0.2	0.5	0.2	0.2	0.2	0.4	0.2
Leprel2	39.0	35.0	42.0	35.1	38.8	46.0	47.5	41.0	45.5	36.4	34.7	40.7
Leprel4	71.7	57.8	52.1	45.2	47.9	49.2	65.8	75.6	70.0	90.4	77.4	73.5
Leprot	66.0	58.6	53.4	71.8	65.9	62.0	68.9	58.1	69.1	59.2	64.0	66.5
Leprotl1	18.3	16.5	13.0	25.1	16.9	20.5	16.6	15.0	18.2	19.0	20.3	18.5
Letm1	9.1	7.5	8.7	8.3	8.2	6.9	9.0	9.7	8.2	7.5	8.8	8.2
Letm2	1.2	1.3	1.3	1.7	0.9	1.6	1.0	1.3	1.0	0.8	1.4	1.0
Letmd1	6.6	5.6	4.8	7.4	6.1	6.2	6.1	6.7	6.0	5.9	6.4	6.0
Lfng	0.4	0.2	0.3	1.9	3.1	0.1	0.8	1.5	1.3	3.4	1.8	1.3
Lgals1	1073.2	817.0	740.4	1211.2	994.6	1106.1	1112.4	997.8	941.4	936.3	1081.2	919.1
Lgals2	1.2	0.7	0.1	0.1	0.6	0.4	0.7	0.6	1.1	0.9	0.9	0.6
Lgals3	32.5	7.3	5.1	185.7	189.8	22.6	16.1	9.8	5.9	24.1	16.6	14.4
Lgals3bp	81.5	60.5	72.2	132.4	87.5	84.8	45.4	35.8	30.3	33.1	23.6	41.7
Lgals4	0.2	0.1	0.2	0.1	0.1	0.3	0.3	0.1	0.4	0.1	0.1	0.0
Lgals6	0.1	0.4	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.4	0.0	0.4
Lgals7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.1
Lgals8	22.1	19.1	18.7	28.8	19.5	24.9	17.1	17.9	16.0	19.3	18.4	19.4
Lgals9	49.7	39.2	30.5	64.9	43.5	42.2	37.1	26.8	23.2	24.2	28.7	23.2
Lgalsl	6.1	6.6	7.6	6.7	4.9	7.5	5.1	6.5	6.5	5.8	6.6	6.8
Lgi2	3.0	5.5	14.5	2.4	3.4	3.4	3.8	16.0	7.3	5.2	2.9	7.7
Lgi3	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.2	0.1	0.2	0.1	0.2
Lgi4	0.8	1.1	1.6	0.3	0.6	0.3	0.8	1.1	0.5	0.4	0.5	0.7
Lgmn	51.0	51.9	68.1	58.6	70.9	50.0	53.8	78.5	60.6	68.6	64.5	67.5
Lgr4	3.7	4.2	4.0	2.8	3.7	4.0	4.6	10.1	7.3	4.0	5.9	4.6
Lgr5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lgr6	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Lhfp	273.8	240.2	235.2	314.5	218.3	256.6	265.5	178.1	249.5	227.3	251.2	280.4
Lhfpl1	0.1	0.9	0.3	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.3	0.2
Lhfpl2	10.1	9.2	13.5	14.5	24.2	9.1	15.5	12.6	13.4	20.6	16.8	18.1
Lhfpl3	0.3	0.1	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.0
Lhfpl4	0.3	0.4	0.3	0.5	0.3	0.7	0.6	0.4	0.3	0.1	0.2	0.2
Lhpp	5.9	5.5	4.8	6.8	6.0	6.1	5.0	4.9	3.9	5.9	5.4	4.5
Lhx2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Lhx4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Lhx5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lhx6	0.3	0.0	0.1	0.3	0.0	0.2	0.2	0.2	0.2	0.3	0.4	0.1
Lhx8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Lhx9	0.3	0.1	0.1	0.2	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.0
Lias	13.4	14.0	11.7	14.9	11.5	14.2	10.6	12.7	11.1	12.2	12.0	13.6
Lif	8.1	6.7	5.5	7.4	9.0	6.7	9.4	4.7	6.5	11.0	6.7	6.7
Lifr	6.2	7.9	10.5	6.1	10.1	5.0	10.7	10.1	8.0	9.8	7.8	9.7
Lig1	2.4	3.9	5.4	1.8	5.0	1.7	6.1	3.9	4.0	2.5	3.7	2.8
Lig3	6.0	6.2	5.5	5.4	5.1	5.1	4.9	5.7	5.0	5.2	5.7	4.6
Lig4	2.3	2.2	2.4	2.0	2.1	2.2	1.8	2.3	2.1	2.1	2.5	3.0
Lilra5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Lilra6	0.1	0.0	0.0	0.9	1.4	0.0	0.2	0.0	0.0	0.1	0.0	0.0
Lilrb3	1.3	0.0	0.1	11.0	16.0	0.0	2.0	0.2	0.2	1.2	0.2	0.9
Lilrb4	10.6	0.0	0.8	90.8	119.0	0.1	11.2	1.5	1.7	7.9	2.5	6.2

Online Table 1

Lima1	33.2	36.7	43.9	27.2	35.2	23.2	39.0	37.1	34.9	56.1	55.2	50.0
Limch1	14.7	17.8	24.1	17.7	14.9	9.6	20.6	27.2	20.3	11.3	22.0	15.3
Limd1	12.5	14.1	12.0	11.5	12.8	11.3	12.1	13.7	14.5	14.4	11.4	12.8
Limd2	5.8	6.4	6.1	8.5	11.4	6.3	7.2	6.4	7.0	6.6	6.4	5.0
Lime1	3.0	3.1	2.6	2.8	2.9	3.3	3.6	2.6	4.2	2.6	3.3	2.3
Limk1	5.4	6.7	5.5	6.2	6.3	5.1	7.5	6.0	5.1	4.4	6.3	4.8
Limk2	12.1	11.5	9.3	9.9	9.0	10.7	10.2	7.9	10.6	11.6	11.1	10.3
Lims1	32.6	36.9	37.8	39.2	38.8	37.8	34.8	35.9	38.2	37.5	43.4	44.1
Lims2	6.5	5.2	3.0	7.8	4.8	5.6	7.3	4.0	9.1	6.0	10.6	6.9
Lin37	5.4	6.7	6.6	7.2	5.1	4.8	6.1	5.7	5.0	5.9	6.0	4.9
Lin52	7.6	6.5	7.6	8.3	6.4	7.5	6.7	6.0	7.4	7.4	7.0	7.6
Lin54	3.4	4.4	5.3	3.5	4.6	3.2	5.4	3.9	4.5	4.0	5.5	5.2
Lin7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lin7b	0.4	0.3	0.5	0.1	0.3	1.0	0.2	0.3	0.4	0.2	0.5	0.4
Lin7c	21.4	23.5	25.5	28.8	19.2	28.6	21.8	17.2	18.8	20.3	26.3	25.2
Lin9	1.2	1.8	2.6	1.4	2.0	1.3	2.0	1.6	1.8	1.4	2.5	1.7
Lingo1	1.6	2.7	3.0	1.7	2.1	2.9	3.6	3.4	4.1	1.9	2.8	2.4
Lingo4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Lins	1.8	1.5	1.3	2.0	1.4	2.3	1.6	1.9	1.5	1.6	1.6	1.3
Lipa	44.1	33.6	33.4	72.3	87.7	37.6	28.9	31.9	30.9	29.5	27.8	34.8
Lipc	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0
Lipe	1.9	2.4	2.5	2.3	2.3	1.9	1.6	2.0	1.3	1.8	1.7	2.0
Lipg	1.0	0.9	0.3	0.6	0.2	0.5	0.7	0.7	0.7	0.8	1.3	0.6
Liph	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Lipn	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Lipo1	8.1	7.1	7.4	11.6	8.5	9.0	9.5	7.7	8.3	7.8	10.6	9.5
Lipt1	2.5	2.0	1.6	3.5	2.3	2.6	2.2	2.3	2.2	2.3	2.0	2.0
Lipt2	2.2	1.7	1.3	2.0	1.2	0.9	1.5	2.4	1.7	1.7	2.5	1.7
Litaf	56.8	45.4	40.9	61.1	75.1	43.4	54.5	44.4	47.1	51.4	49.2	48.0
Lix1	0.8	0.6	0.7	1.1	1.8	1.0	0.5	0.4	0.2	0.4	0.5	0.5
Lix1l	24.0	28.5	32.6	25.0	23.5	27.9	28.4	29.9	29.2	29.7	29.5	31.4
Ligl1	4.6	5.1	6.2	4.6	5.1	4.9	5.5	7.1	6.3	5.6	4.9	5.1
Ligl2	4.2	4.2	3.0	3.2	3.5	3.2	4.0	3.1	3.9	3.7	3.5	3.2
Llph	51.5	35.5	39.1	62.6	35.3	53.9	38.3	26.3	24.5	37.7	46.0	41.8
Lman1	114.8	104.5	122.4	133.3	94.2	110.3	120.0	123.5	96.3	96.5	117.7	122.2
Lman1l	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1
Lman2	46.1	42.1	38.3	55.3	48.0	47.4	47.0	41.9	44.0	49.6	44.1	43.5
Lman2l	3.6	3.7	3.3	4.3	3.7	3.7	2.7	3.1	3.7	4.0	3.0	4.1
Lmbr1	6.3	6.3	6.5	4.6	4.8	4.8	5.3	7.2	6.4	5.4	6.3	6.0
Lmbr1l	1.9	2.2	1.9	1.4	2.1	1.4	1.7	2.0	2.8	2.4	1.8	2.0
Lmbrd1	9.4	10.4	9.2	12.2	10.5	11.8	9.8	8.4	9.0	10.4	9.9	9.6
Lmbrd2	5.6	5.3	5.3	6.1	5.3	5.3	5.7	4.2	4.1	6.1	6.6	5.4
Lmcd1	13.0	12.0	12.1	9.8	7.2	6.1	7.1	9.6	9.7	8.9	10.5	13.3
Lmf1	11.0	10.3	9.4	13.1	11.0	12.9	11.0	13.4	11.1	10.8	10.3	11.0
Lmf2	8.3	10.1	11.0	8.6	10.3	9.6	12.1	10.8	11.9	9.3	9.6	8.6
Lmln	0.7	0.5	0.4	0.7	0.4	0.9	0.5	0.9	0.7	0.7	0.8	0.6
Lmna	172.4	152.8	138.9	183.4	149.1	157.7	189.6	192.5	163.1	160.9	182.4	159.5
Lmnb1	1.6	1.8	2.9	0.6	2.5	0.7	3.8	2.5	2.8	1.9	2.3	2.0
Lmnb2	1.8	2.7	2.8	1.7	2.9	1.7	4.3	3.6	3.6	2.2	2.8	2.1
Lmo1	0.5	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2
Lmo2	1.3	0.3	0.4	7.3	8.0	0.3	1.0	0.4	0.3	0.7	0.2	0.7
Lmo4	27.5	22.3	32.6	22.3	19.6	19.0	23.4	29.1	26.1	37.9	37.4	32.8
Lmo7	1.4	0.5	0.6	1.2	0.5	0.8	0.8	0.7	0.6	0.5	0.6	0.5
Lmod1	4.0	2.4	2.5	6.3	3.9	3.0	6.1	2.0	4.6	6.0	12.3	7.4
Lmod2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Lmod3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Lmtk2	5.7	5.6	4.8	4.7	4.9	5.3	5.1	3.6	4.8	4.5	4.1	4.0

Online Table 1

Lmtk3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lmx1b	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Lnp	2.9	3.8	4.4	4.4	3.5	4.4	4.3	3.8	3.6	3.2	4.5	4.2
Lnpep	16.4	19.7	21.5	18.2	22.2	18.3	18.9	19.4	18.6	19.8	22.6	21.3
Lnx1	3.4	2.3	2.8	1.9	0.8	1.6	0.7	1.0	0.4	1.9	1.0	1.5
Lnx2	1.9	2.1	2.1	2.1	2.0	1.8	2.0	2.6	2.4	2.8	2.5	2.2
LOC100038947	0.5	0.0	0.0	0.5	5.2	0.0	0.3	0.1	0.0	0.1	0.0	0.0
LOC100503496	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.4	0.2	0.2	0.2	0.1
LOC100504608	0.7	0.6	1.0	0.8	1.0	1.1	1.1	1.4	0.7	0.5	0.8	0.8
LOC100504703	2.6	3.7	4.0	2.9	3.6	2.8	1.1	3.9	2.0	3.5	2.7	4.7
LOC100861615	0.3	0.6	0.6	0.7	0.5	0.6	0.8	0.7	0.6	0.6	0.6	0.6
LOC100861978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOC106740	3.3	3.2	3.8	4.0	3.0	4.2	3.4	2.7	3.5	3.2	3.2	3.1
LOC171588	0.1	0.0	0.1	0.0	0.2	0.1	0.1	0.2	0.0	0.1	0.1	0.1
Loh12cr1	3.6	3.7	3.6	3.4	2.7	4.7	2.8	3.0	3.1	3.4	3.0	2.9
Lonp1	35.3	26.7	22.6	43.0	22.6	37.7	25.8	29.6	23.5	23.2	28.5	25.0
Lonp2	43.5	38.8	35.6	39.6	32.2	36.7	34.0	30.6	31.1	38.1	37.7	39.1
Lonrf1	1.6	1.8	1.7	0.6	1.3	1.7	1.5	2.1	2.1	1.2	1.8	1.2
Lonrf2	2.8	2.3	1.4	3.7	1.6	3.7	2.2	1.1	1.4	1.3	1.5	1.6
Lonrf3	0.6	0.9	1.1	1.3	2.4	0.4	0.8	0.5	0.6	0.5	0.3	0.4
Lor	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lox	825.0	871.5	807.1	726.0	640.3	839.1	1050.3	1240.2	974.2	651.1	992.2	878.5
Loxl1	51.5	57.7	69.8	46.6	63.2	44.5	79.7	76.1	79.3	64.0	52.1	60.1
Loxl2	194.9	200.3	152.8	208.5	219.9	219.9	195.8	149.0	188.0	152.6	152.6	152.9
Loxl3	49.3	45.7	40.8	59.8	70.6	61.8	103.5	39.0	73.0	75.8	72.2	84.5
Loxl4	3.9	3.3	3.8	3.9	4.0	4.2	5.0	6.7	6.6	2.6	4.0	4.0
Lpar1	39.2	45.8	54.5	55.4	46.5	50.6	48.8	47.0	33.9	37.9	44.7	41.5
Lpar2	0.7	0.6	0.3	0.3	0.3	0.7	0.2	0.5	0.5	1.3	0.5	0.5
Lpar3	0.1	0.0	0.3	0.0	0.1	0.1	0.1	0.3	0.2	0.1	0.0	0.2
Lpar4	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.8	0.6	0.3	0.3	0.2
Lpar5	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Lpar6	3.7	3.5	2.7	3.6	3.4	2.7	2.6	2.5	2.8	4.8	3.9	3.6
Lpcat1	4.7	3.6	3.6	6.5	5.7	4.6	6.0	4.5	4.7	4.8	5.3	4.5
Lpcat2	1.1	0.2	0.2	4.1	5.5	0.3	0.9	0.3	0.4	2.4	1.7	1.1
Lpcat3	8.4	11.9	13.8	8.5	10.5	8.5	13.9	18.6	14.7	9.7	13.1	10.8
Lpcat4	3.9	4.9	5.4	3.5	5.4	3.2	5.7	5.7	4.6	6.2	5.8	4.5
Lpgat1	14.8	17.2	25.5	13.9	18.4	12.4	20.0	23.6	19.3	15.7	16.6	25.4
Lphn1	1.5	2.3	3.0	1.0	2.1	1.5	2.9	2.7	2.8	3.8	2.5	2.2
Lphn2	1.5	1.1	1.9	1.4	1.9	1.3	2.0	1.8	2.2	2.7	2.2	2.2
Lphn3	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Lpin1	10.0	9.6	8.0	9.5	6.7	12.9	5.9	4.6	5.1	7.8	6.8	6.8
Lpin2	6.2	6.5	5.5	6.7	8.2	7.6	5.9	4.5	4.8	6.0	5.3	5.6
Lpin3	5.6	4.7	4.3	6.5	5.9	6.3	4.7	4.0	4.0	3.2	3.7	3.7
Lpl	7.7	12.6	21.0	32.4	60.3	5.5	7.7	10.5	4.5	5.6	2.6	4.0
Lpp	10.8	11.6	11.1	10.2	12.3	9.4	11.8	10.3	10.9	11.4	13.4	10.6
Lpxn	0.5	0.1	0.1	6.9	12.7	0.2	1.8	0.3	0.4	0.6	0.4	0.8
Lrat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrba	3.8	3.7	3.7	3.6	3.4	4.3	2.7	3.6	3.1	3.7	3.7	3.5
Lrch1	5.3	8.1	8.3	6.6	7.7	5.1	8.1	8.0	8.4	5.1	7.6	8.2
Lrch2	0.4	0.6	0.7	0.4	0.4	0.8	0.6	0.5	0.6	0.4	0.5	0.5
Lrch3	6.6	7.0	7.6	7.2	7.5	6.4	7.6	7.5	7.1	6.7	7.4	7.2
Lrch4	5.2	5.4	5.6	8.3	10.4	6.8	6.6	5.0	5.4	4.3	4.9	4.2
Lrdd	1.4	1.6	1.6	1.2	1.8	1.5	1.9	0.8	1.4	1.5	1.4	1.1
Lrfn1	0.3	0.5	0.4	0.1	0.5	0.5	0.4	0.5	0.3	0.3	0.4	0.3
Lrfn3	1.0	1.4	1.1	1.1	1.0	1.3	0.8	1.0	1.3	1.0	0.9	1.2
Lrfn4	3.0	2.6	3.6	2.7	2.9	2.7	2.5	5.1	3.2	2.9	1.9	2.9
Lrg1	0.1	0.3	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.1

Online Table 1

Lrguk	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Lrif1	3.5	3.3	4.9	4.9	3.5	3.7	3.2	3.8	3.0	4.8	4.5	4.7
Lrig1	10.6	8.2	8.9	10.6	10.2	10.5	11.5	6.9	8.6	10.3	8.4	9.4
Lrig2	2.7	3.0	2.7	2.4	2.5	2.7	2.2	2.4	2.9	3.1	2.8	2.6
Lrig3	3.4	3.5	4.7	2.4	3.0	2.7	3.5	4.6	3.7	5.4	4.5	4.1
Lrmp	0.1	0.0	0.0	2.0	2.9	0.1	0.4	0.1	0.1	0.2	0.1	0.2
Lrp1	52.7	77.4	78.7	47.6	81.6	58.4	96.3	75.5	86.8	59.0	51.3	47.8
Lrp10	25.3	23.0	20.8	27.0	26.4	29.8	28.8	23.1	28.4	27.5	23.7	21.9
Lrp11	10.2	7.2	5.3	11.0	6.8	12.1	8.4	5.6	6.2	7.2	8.6	7.5
Lrp12	5.6	5.2	5.7	6.0	5.7	4.5	5.7	5.7	5.9	4.5	4.9	5.7
Lrp1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrp2	1.9	0.5	0.3	0.7	0.1	0.6	0.2	0.8	1.0	23.6	9.4	3.2
Lrp2bp	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1
Lrp3	3.5	3.5	3.2	4.1	2.7	4.9	4.0	3.1	3.0	2.4	3.2	2.7
Lrp4	0.8	1.2	1.4	0.7	0.8	0.9	1.0	1.8	1.5	0.5	0.8	0.9
Lrp5	10.7	12.8	12.8	12.0	11.6	12.5	13.7	10.3	11.9	9.0	8.2	9.4
Lrp6	16.9	20.4	24.5	15.9	16.1	16.9	18.9	20.3	18.9	18.6	20.3	21.5
Lrp8	1.2	0.9	0.9	2.1	1.5	1.6	1.5	1.3	0.7	0.6	1.0	0.6
Lrpap1	53.1	45.3	47.2	65.0	49.2	60.6	45.4	42.3	41.4	45.6	43.4	48.4
Lrpprc	14.8	10.3	8.3	14.0	12.6	14.0	9.9	10.0	9.0	11.9	11.8	10.3
Lrr1	0.1	0.4	0.8	0.1	0.7	0.2	0.8	0.3	0.5	0.3	0.3	0.2
Lrrc1	1.5	1.7	1.5	1.5	1.2	1.8	1.0	1.5	1.6	3.4	2.5	1.8
Lrrc10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Lrrc14	7.5	6.3	5.4	6.4	6.9	7.7	6.7	6.5	7.7	6.2	5.7	6.3
Lrrc14b	1.5	1.2	1.4	1.7	1.2	1.3	1.0	1.1	1.1	1.7	1.5	1.2
Lrrc15	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc16a	4.6	4.4	5.8	4.5	4.4	4.0	6.2	5.0	4.4	3.6	3.7	4.9
Lrrc16b	0.1	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1
Lrrc17	0.2	0.4	0.4	0.2	0.1	0.1	0.2	4.1	0.6	0.5	1.1	0.3
Lrrc18	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Lrrc19	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1
Lrrc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc20	3.6	3.1	3.2	3.4	4.2	3.2	3.7	3.7	3.3	2.7	3.6	2.7
Lrrc23	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Lrrc24	0.5	0.3	0.4	0.1	0.7	0.6	0.4	0.3	0.5	0.6	0.5	0.6
Lrrc25	0.6	0.0	0.0	6.8	13.4	0.0	1.8	0.2	0.1	0.9	0.3	0.8
Lrrc26	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Lrrc27	11.7	9.6	7.7	14.1	8.1	10.8	9.3	7.0	5.6	4.6	9.7	6.0
Lrrc28	5.2	4.6	4.4	5.1	4.0	5.7	4.2	5.3	3.8	4.6	4.9	3.5
Lrrc29	0.2	0.3	0.4	0.1	0.2	0.3	0.3	0.1	0.3	0.4	0.4	0.2
Lrrc3	0.6	0.7	0.7	0.4	0.5	0.6	0.5	0.3	0.3	0.2	0.2	0.3
Lrrc32	23.7	20.0	18.7	29.2	30.3	33.1	47.7	18.8	47.7	22.0	21.7	38.8
Lrrc33	0.6	0.2	0.2	3.7	5.3	0.1	0.4	0.3	0.1	0.5	0.2	0.2
Lrrc34	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Lrrc36	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Lrrc39	0.3	0.3	0.3	0.5	0.4	0.2	0.2	0.1	0.2	0.2	0.2	0.2
Lrrc4	0.1	0.2	0.2	0.0	0.1	0.1	0.2	0.1	0.1	0.3	0.2	0.2
Lrrc40	4.3	5.2	5.6	5.1	4.3	4.5	4.3	4.7	4.4	3.7	5.0	4.5
Lrrc41	19.7	22.8	18.8	19.7	18.1	20.4	21.4	21.6	20.9	20.8	18.9	18.2
Lrrc42	8.4	11.0	10.8	7.4	8.7	8.6	9.9	12.2	12.1	11.2	10.7	9.9
Lrrc45	7.3	7.5	7.8	6.6	6.2	6.7	7.1	6.6	6.8	6.9	6.5	5.8
Lrrc46	0.2	0.3	0.4	0.2	0.0	0.1	0.0	0.1	0.1	0.2	0.2	0.1
Lrrc47	3.3	3.8	3.4	3.2	4.0	3.3	3.9	4.1	3.1	3.8	3.4	3.4
Lrrc48	0.7	0.7	0.5	0.7	0.3	1.0	0.4	0.4	0.3	0.4	0.5	0.4
Lrrc49	4.0	3.3	3.9	3.8	3.6	4.4	4.3	4.5	3.9	4.9	5.3	4.4
Lrrc4b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Lrrc4c	0.2	0.2	0.0	0.2	0.1	0.1	0.4	0.2	0.2	0.8	0.7	0.4

Online Table 1

Lrrc51	15.8	16.2	13.4	15.9	9.4	16.6	8.2	9.8	8.2	11.1	10.0	10.4
Lrrc55	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Lrrc56	0.9	0.9	1.0	0.7	0.8	0.7	1.0	1.4	0.9	0.8	0.9	1.0
Lrrc57	12.8	12.5	10.2	11.5	10.0	14.7	9.9	9.1	8.8	10.3	10.6	10.6
Lrrc58	35.6	39.6	42.4	43.0	44.8	46.9	48.0	43.3	45.4	44.0	47.8	49.0
Lrrc59	61.1	53.3	50.0	63.8	61.8	54.1	72.3	71.8	60.7	59.3	70.0	59.1
Lrrc61	1.6	1.4	1.5	2.1	1.8	1.9	1.7	1.9	1.8	1.4	1.7	1.8
Lrrc69	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Lrrc71	2.0	2.3	2.0	2.0	2.0	2.2	2.4	1.9	2.1	1.6	1.9	1.5
Lrrc73	1.0	1.2	0.9	1.9	1.1	2.0	0.6	0.8	1.6	1.8	0.9	1.1
Lrrc8a	9.7	11.0	12.3	10.6	11.5	11.9	13.9	16.0	15.4	12.0	12.8	11.9
Lrrc8b	3.1	2.5	2.9	2.9	2.9	3.6	2.6	3.0	2.2	1.8	2.4	1.8
Lrrc8c	9.1	11.4	13.4	6.3	10.6	8.4	12.2	10.0	9.4	9.2	9.7	8.0
Lrrc8d	3.4	3.3	2.8	4.4	3.8	4.0	3.0	2.2	1.4	2.2	2.2	1.6
Lrrc8e	0.4	0.3	0.3	0.3	0.2	0.5	0.3	0.4	0.5	0.4	0.4	0.6
Lrrc9	0.3	0.5	0.4	0.2	0.3	0.4	0.3	0.1	0.1	0.1	0.1	0.2
Lrrcc1	6.4	7.8	9.2	5.8	6.4	8.0	6.3	7.3	6.9	6.6	8.2	8.0
Lrrd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrfip1	67.9	47.6	42.0	61.2	49.1	53.3	54.7	36.9	38.2	55.9	62.6	58.8
Lrrfip2	15.3	12.1	12.5	18.2	12.2	15.7	13.7	13.2	11.5	10.9	15.4	13.5
Lrriq1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Lrriq3	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.4	0.5	0.5	0.5	0.7
Lrrk1	23.6	23.3	20.7	22.9	20.8	24.3	23.6	19.2	19.4	15.3	17.5	17.6
Lrrk2	10.7	9.8	9.0	11.5	9.3	13.1	10.4	7.9	9.0	9.6	10.8	10.6
Lrrn1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Lrrn2	1.2	1.4	1.3	1.2	0.9	2.0	1.2	0.8	1.2	1.3	0.8	1.0
Lrrn3	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.2	0.2	0.1	0.1
Lrrn4	6.3	2.8	1.5	1.3	0.8	0.6	0.3	3.5	3.9	52.9	20.6	12.9
Lrrn4cl	7.1	6.0	5.1	6.9	3.1	11.8	4.0	4.6	4.9	5.3	8.4	6.0
Lrrtm2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.3	0.1
Lrrtm3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrsam1	6.4	5.3	4.8	7.0	4.7	6.8	4.9	4.9	5.8	5.8	5.4	5.7
Lrtm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrtm2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.0
Lrwd1	6.4	6.8	7.1	6.0	6.6	6.1	7.6	6.8	6.8	7.4	6.5	6.2
Lsamp	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lsg1	13.6	11.8	11.3	15.7	11.6	11.5	12.5	10.5	9.7	12.5	14.1	13.2
Lsm1	7.5	7.5	7.2	7.5	6.9	7.1	6.7	6.4	6.9	7.0	7.6	6.9
Lsm10	17.9	16.6	16.8	20.3	14.8	20.9	14.5	17.2	14.8	14.8	16.0	15.6
Lsm11	0.9	1.0	1.0	0.8	0.9	0.7	1.0	0.9	1.1	1.0	0.9	0.9
Lsm12	16.9	16.3	17.2	20.2	17.6	18.6	17.8	19.3	16.0	15.1	21.0	17.9
Lsm14a	19.0	24.2	23.3	20.6	20.2	21.9	20.1	23.1	22.3	22.5	22.6	24.7
Lsm14b	12.9	12.5	12.3	10.7	10.6	11.7	13.2	12.8	12.8	11.8	12.7	11.7
Lsm2	5.0	3.9	5.6	2.6	6.6	3.5	4.8	5.3	5.8	5.5	5.8	4.5
Lsm3	26.3	29.9	33.6	29.1	29.0	21.2	31.9	34.2	28.5	29.3	28.0	29.1
Lsm4	17.7	17.1	15.4	20.7	18.3	17.6	24.5	23.1	21.0	22.1	21.7	21.3
Lsm5	11.5	12.4	17.4	12.8	14.4	13.7	10.4	12.6	13.7	15.3	16.8	15.1
Lsm6	3.3	3.3	3.7	4.4	3.6	3.2	4.0	3.6	3.3	3.6	4.4	3.8
Lsm7	41.4	32.0	35.0	36.4	33.0	34.4	30.9	35.6	28.2	45.3	31.2	31.7
Lsmd1	37.7	29.4	28.4	36.4	32.3	36.5	35.3	32.3	29.4	34.4	34.1	33.7
Lsp1	20.9	17.5	22.9	42.9	50.1	27.0	34.3	29.5	30.0	23.6	28.5	29.4
Lsr	0.3	0.4	0.3	0.1	0.4	0.7	0.4	0.3	0.3	1.0	0.2	0.4
Lss	12.5	15.0	13.2	6.2	8.0	8.4	19.7	19.6	16.8	5.6	18.1	7.2
Lst1	3.1	0.3	0.8	12.9	31.4	0.6	8.1	0.4	2.0	4.0	0.6	2.4
Lta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Lta4h	33.5	29.6	28.1	28.1	30.8	29.6	30.2	32.5	30.7	33.7	32.9	35.0
Ltb4r1	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Ltb4r2	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.3	0.1	0.0
Ltbp1	4.1	2.7	3.1	2.8	2.8	3.7	2.7	3.8	2.0	2.4	3.0	2.2
Ltbp2	3.5	2.7	4.7	2.9	8.4	5.8	29.6	10.6	19.9	39.2	20.8	17.6
Ltbp3	8.1	9.0	8.7	5.5	8.5	7.7	9.9	7.4	10.1	9.8	6.7	6.7
Ltbp4	2.1	2.0	3.3	1.2	1.5	2.1	2.3	5.9	2.1	1.7	1.7	1.3
Ltbr	39.8	34.7	37.3	35.4	38.2	36.2	45.7	42.7	43.4	40.5	41.2	38.1
Ltc4s	0.9	0.2	0.2	1.9	1.8	0.6	0.2	0.5	0.5	0.8	0.4	0.4
Ltf	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ltk	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Ltn1	9.3	9.0	8.4	9.1	9.2	9.5	8.1	8.3	8.5	9.0	9.1	9.4
Ltv1	14.8	13.2	12.7	17.5	12.7	13.4	15.5	13.6	11.5	14.3	16.8	14.4
Luc7l1	11.1	12.2	11.4	10.3	10.6	10.9	10.8	9.9	11.5	13.2	12.0	11.0
Luc7l2	20.3	20.6	26.5	23.1	19.7	21.4	25.6	23.9	19.1	19.1	26.1	24.7
Luc7l3	20.0	19.7	26.2	21.2	18.7	17.5	22.8	21.3	17.5	17.1	22.5	28.1
Lum	3.0	19.0	67.5	0.5	6.7	0.3	9.4	78.1	43.7	19.1	8.6	42.8
Lurap1	1.5	1.6	1.0	1.5	1.0	1.6	1.1	1.1	1.0	1.6	0.7	1.4
Lurap1l1	38.4	22.4	14.1	65.4	54.8	51.9	32.5	18.3	26.2	15.1	23.4	13.0
Luzp1	26.2	31.5	29.7	27.3	29.9	24.0	30.7	27.8	30.4	28.8	32.2	33.4
Luzp2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Lxn	36.3	35.2	39.4	36.3	33.8	30.3	34.9	29.2	30.2	41.2	40.7	36.3
Ly6a	97.9	87.1	85.2	91.7	68.0	70.4	67.6	162.8	59.3	36.0	68.9	53.4
Ly6c1	3.8	2.0	1.9	4.0	2.8	2.0	4.2	5.7	3.7	2.1	4.8	3.6
Ly6c2	0.5	0.5	0.1	0.4	0.3	0.5	1.2	0.7	0.7	0.3	0.8	0.5
Ly6d	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.2
Ly6e	22.3	24.2	28.2	45.7	27.0	26.0	22.4	22.3	15.5	15.5	14.3	18.5
Ly6f	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.4	0.0
Ly6g5b	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.3	0.1	0.2	0.0	0.0
Ly6i	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.0	0.1
Ly6k	3.0	2.2	2.9	1.6	0.8	0.6	1.5	1.4	1.2	3.5	2.8	2.2
Ly75	0.6	0.7	0.8	0.4	0.6	0.5	0.9	0.6	0.8	1.2	1.4	0.8
Ly86	0.8	0.0	0.1	4.6	7.8	0.0	1.0	0.1	0.1	0.1	0.2	0.8
Ly9	0.7	0.5	0.2	3.9	6.1	0.3	0.8	0.3	0.3	1.0	0.9	0.6
Ly96	7.9	8.9	7.9	12.1	9.8	8.3	5.6	5.6	7.5	10.0	7.1	9.1
Lyar	11.7	10.5	12.9	14.1	10.7	11.3	13.7	8.9	7.8	9.7	12.1	12.4
Lyl1	0.3	0.1	0.0	0.5	0.5	0.0	0.1	0.1	0.0	0.2	0.1	0.0
Lyn	7.5	5.9	4.7	15.3	21.9	5.6	11.6	5.9	9.4	8.1	8.5	9.4
Lynx1	24.1	19.4	17.8	25.3	17.9	28.3	20.1	16.4	16.3	16.7	18.6	19.8
Lypd1	33.0	28.1	29.3	32.9	26.3	29.0	44.6	32.3	39.5	47.1	45.7	53.3
Lypd6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lypd6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Lypla1	19.9	20.0	25.4	26.7	22.3	25.8	23.0	22.8	19.7	21.9	29.8	27.4
Lypla2	6.7	6.3	5.9	8.6	9.8	6.5	7.5	8.5	8.4	7.6	6.0	5.9
Lyplal1	7.2	5.8	4.7	6.1	4.0	8.0	3.6	4.7	3.6	4.7	4.7	5.5
Lyrm1	3.8	4.0	3.5	5.1	3.3	4.8	3.6	3.4	3.6	3.9	3.7	4.6
Lyrm2	18.5	12.8	13.7	16.3	11.7	18.9	11.9	13.4	11.5	15.9	16.3	15.9
Lyrm4	4.8	4.3	4.1	5.3	3.7	5.2	4.3	4.6	3.8	4.7	4.7	4.6
Lyrm5	20.1	21.2	18.4	23.1	19.0	25.2	17.9	19.3	18.3	20.5	22.8	22.0
Lyrm7	1.0	0.9	1.0	1.4	0.7	1.5	1.0	0.9	0.7	1.0	1.1	0.9
Lyrm9	1.8	1.3	0.7	1.9	1.3	2.0	0.8	0.8	0.7	0.9	1.2	1.0
Lysmd1	4.8	4.4	4.3	4.7	4.0	4.4	3.7	3.8	3.5	4.2	4.3	3.7
Lysmd2	7.2	7.2	8.5	7.4	5.5	8.0	6.4	7.6	7.3	6.1	5.0	6.9
Lysmd3	4.7	6.0	7.3	6.1	5.6	4.4	6.1	7.3	6.8	6.9	8.8	7.9
Lysmd4	3.8	4.1	4.3	4.0	3.5	4.1	3.6	4.4	4.3	3.9	4.2	3.8
Lyst	6.3	7.7	6.2	5.2	6.6	5.2	5.2	5.5	7.4	7.5	6.1	9.7
Lyve1	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.2	0.1
Lyz1	5.7	6.1	5.0	31.3	62.9	5.6	6.5	3.3	4.1	5.9	3.9	5.3
Lyz2	269.3	62.0	60.2	1261.6	2077.8	62.4	216.6	86.4	72.6	166.1	94.0	147.1

Online Table 1

Lyzl4	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lzic	18.4	16.9	15.6	14.0	14.4	16.7	13.5	11.6	15.6	17.4	14.5	13.5
Lztlf1	9.6	10.2	10.6	10.9	10.0	12.5	9.0	10.0	9.0	10.7	12.8	12.2
Lztr1	24.3	20.9	19.8	24.1	22.3	27.9	20.5	22.8	23.8	25.5	23.0	21.3
Lzts1	0.4	0.3	0.7	0.3	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.3
Lzts2	24.0	29.8	26.7	19.5	19.9	23.9	25.2	32.1	32.8	26.9	25.1	24.0
M1ap	0.4	0.4	0.4	0.2	0.5	0.1	0.5	0.3	0.4	0.4	0.3	0.6
M6pr	77.4	72.4	70.4	97.4	96.3	80.1	85.3	59.4	76.5	76.4	79.1	73.4
Maats1	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.0
Mab21I1	0.1	0.3	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.1
Mab21I2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mab21I3	2.8	2.0	1.7	0.7	1.5	1.1	1.1	0.7	0.9	3.6	2.4	1.4
Macc1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Macf1	46.6	44.3	38.1	43.7	43.1	40.8	47.2	43.6	42.4	36.5	45.6	41.4
Macro1	2.2	2.1	2.9	2.2	1.7	2.6	2.2	3.0	2.2	2.3	1.5	2.2
Macro2	0.5	0.3	0.4	0.9	0.3	0.5	0.6	0.3	0.3	0.3	0.4	0.5
Mad1I1	5.9	7.3	8.1	6.0	6.8	5.9	8.4	9.1	6.4	5.9	6.7	6.3
Mad2I1	4.8	7.1	12.1	3.2	9.4	3.5	10.6	6.5	9.0	6.4	8.9	6.8
Mad2I1bp	5.1	4.8	5.0	4.7	6.6	4.0	5.1	5.2	6.6	5.5	5.0	5.9
Mad2I2	4.3	4.5	4.4	4.8	3.7	4.2	2.8	4.5	3.6	3.4	2.9	3.0
Madcam1	0.0	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Madd	1.0	1.0	0.6	1.9	2.6	1.0	1.2	0.8	0.9	1.1	1.0	0.9
Maea	87.2	91.0	77.0	82.4	80.4	86.2	100.1	91.6	97.6	82.3	90.3	81.3
Mael	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.0
Maf	1.5	1.0	1.4	3.3	2.8	1.8	1.3	1.5	1.9	11.0	6.1	4.8
Maf1	22.9	22.9	19.6	21.8	21.7	24.0	20.0	22.4	22.8	24.5	20.4	20.4
Mafa	0.1	0.0	0.0	0.3	0.1	0.1	0.2	0.1	0.0	0.2	0.0	0.3
Mafb	0.2	0.2	0.3	2.0	3.3	0.2	0.4	0.3	0.3	0.5	0.5	0.4
Maff	76.1	44.8	29.1	103.3	42.4	79.7	40.4	19.6	19.5	31.2	35.0	32.0
Mafg	8.0	7.6	7.0	11.8	11.2	10.0	9.3	6.3	7.4	9.0	8.7	7.5
Mafk	57.1	52.0	34.8	71.4	44.3	52.3	54.4	29.8	37.2	38.1	50.6	36.8
Mag	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mageb16	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mageb16-ps1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Maged1	165.0	174.2	188.2	151.2	150.8	151.3	165.8	213.9	180.4	191.0	184.0	181.8
Maged2	46.5	48.6	49.0	41.1	44.8	40.6	46.7	62.1	63.3	50.8	48.4	50.5
Magee1	8.5	9.4	8.7	6.9	7.3	7.3	8.9	6.7	8.2	8.0	7.6	8.7
Magee2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mageh1	6.5	4.4	4.4	7.5	5.4	7.4	5.8	4.7	4.7	6.1	5.6	5.5
Magi1	3.0	4.1	5.5	3.5	3.4	3.3	5.1	6.6	7.0	3.5	5.1	4.9
Magi2	0.9	0.9	0.9	0.9	0.6	1.0	1.0	0.7	0.8	0.7	0.9	1.0
Magi3	15.2	15.5	13.7	14.8	11.3	10.6	12.5	9.4	10.5	11.3	14.6	11.3
Magix	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Magoh	42.1	39.8	48.4	39.2	39.2	44.7	38.0	40.6	38.4	49.1	44.1	46.4
Magohb	11.9	9.5	8.2	12.5	9.7	14.6	12.1	9.9	10.5	14.0	15.2	11.2
Magt1	36.4	35.0	30.8	41.5	35.1	37.8	35.0	31.5	34.7	35.0	43.9	39.5
Mak	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mak16	38.0	29.9	29.6	34.6	32.0	28.0	31.8	25.0	22.5	33.3	36.5	33.5
Mal	1.1	0.6	0.5	0.7	0.3	0.3	0.7	0.6	0.2	0.3	0.6	0.5
Mal2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.3	0.3	0.3
Malat1	2420.3	3440.8	4115.1	2466.4	2501.0	3203.0	2968.2	3293.6	2910.4	2853.3	2923.0	3476.9
Mall	0.0	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Malsu1	14.4	12.8	14.3	13.1	13.0	14.0	12.2	15.0	12.6	15.8	14.3	13.2
Malt1	1.7	1.8	1.7	1.8	2.1	1.7	1.7	1.7	1.3	1.7	1.6	1.9
Mamdc2	0.4	0.7	1.4	0.4	0.7	0.5	1.5	2.5	4.0	1.5	1.3	2.3
Mamdc4	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1
Maml1	2.8	3.7	3.5	3.1	3.0	3.1	3.1	3.8	3.5	3.2	3.0	3.4

Online Table 1

Mam12	7.5	10.7	10.9	8.1	7.0	9.1	8.8	10.3	8.6	6.8	8.4	8.0
Mam13	0.3	0.3	0.5	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.4	0.2
Mam1d1	1.0	1.2	1.0	1.1	0.8	1.6	1.1	1.1	0.7	0.5	0.7	0.5
Mamstr	0.1	0.3	0.2	0.0	0.1	0.3	0.3	0.5	0.3	0.2	0.2	0.2
Man1a	21.6	20.7	22.0	17.0	22.9	15.8	18.9	20.2	21.2	26.6	22.2	22.5
Man1a2	17.5	14.6	15.7	20.4	17.8	19.0	17.5	17.0	17.0	18.3	20.8	21.8
Man1b1	24.7	24.0	22.8	30.3	25.4	25.6	26.0	22.7	27.0	22.8	23.9	24.8
Man1c1	10.0	11.1	9.0	10.4	9.8	8.2	10.5	11.5	12.0	11.4	9.9	10.5
Man2a1	27.2	29.0	29.0	26.9	31.5	33.8	33.9	31.9	41.2	34.0	34.6	39.3
Man2a2	13.7	18.9	24.5	14.4	20.5	18.5	22.8	24.7	23.4	17.2	18.4	21.6
Man2b1	21.4	16.1	17.9	24.1	32.4	18.4	12.8	15.4	14.3	19.5	15.1	16.0
Man2b2	24.4	17.7	20.2	27.0	24.0	26.0	18.6	19.6	17.2	19.2	17.6	18.7
Man2c1	12.8	11.6	11.8	13.1	11.6	14.6	12.1	11.6	11.4	10.3	10.4	10.2
Manba	13.7	14.3	15.0	9.8	14.7	13.3	10.3	17.0	14.9	13.6	12.5	13.3
Manbal	17.3	12.2	13.0	16.6	13.0	16.1	15.1	15.0	16.1	14.2	16.7	15.0
Manea	12.2	11.4	12.1	14.1	10.3	13.8	11.5	10.6	10.9	10.1	13.5	12.2
Maneal	0.4	0.2	0.1	0.2	0.2	0.5	0.3	0.3	0.2	0.2	0.2	0.2
Manf	77.2	60.4	54.8	74.0	60.5	53.0	72.4	71.7	67.9	71.6	78.4	72.8
Mansc1	0.7	1.0	1.0	0.5	0.9	1.5	0.9	0.9	0.7	0.6	0.8	0.7
Mansc4	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.2	0.0	0.1
Maoa	61.1	38.9	25.2	43.2	19.0	41.4	12.2	17.2	12.8	18.5	20.3	23.1
Maob	14.8	16.1	17.8	14.0	13.5	13.6	15.9	13.4	13.4	9.1	12.5	16.2
Map1a	8.9	10.0	9.1	9.1	7.9	7.9	9.5	7.8	7.0	7.3	8.3	5.4
Map1b	18.5	13.1	12.0	27.2	14.8	19.2	23.4	18.8	16.2	17.4	27.1	15.1
Map1lc3a	46.0	43.4	36.8	40.2	35.7	41.1	41.8	50.7	44.6	45.7	40.6	38.3
Map1lc3b	149.2	128.0	102.0	159.0	129.1	155.4	117.9	117.1	117.8	140.8	131.3	135.8
Map1s	6.0	6.8	5.6	5.2	6.3	5.4	8.3	6.0	8.4	6.3	5.0	4.6
Map2	7.1	5.6	6.0	8.8	7.2	7.7	8.7	9.0	13.1	4.1	13.2	9.4
Map2k1	57.9	57.0	45.0	56.6	56.9	54.1	56.7	46.7	55.6	55.2	56.0	53.2
Map2k2	33.8	29.0	22.6	31.0	28.7	32.9	29.9	31.7	30.7	30.4	27.5	24.1
Map2k3	23.4	31.9	25.8	22.4	29.6	19.5	27.6	27.6	27.2	29.0	24.7	21.9
Map2k4	16.9	16.9	14.3	14.1	14.0	13.6	14.4	13.7	14.6	15.3	15.8	14.9
Map2k5	6.7	6.7	6.4	6.9	6.5	7.6	6.6	7.1	6.6	6.8	6.0	7.0
Map2k6	0.3	0.5	0.6	0.4	0.4	0.8	0.2	0.3	0.4	0.4	0.3	0.2
Map2k7	13.8	11.1	8.9	15.6	11.6	12.4	12.8	9.0	9.3	11.2	12.6	9.7
Map3k1	1.1	1.5	1.6	1.4	1.8	0.9	1.3	1.3	1.3	1.6	1.3	1.3
Map3k10	6.4	6.0	5.6	5.9	5.5	5.5	5.6	5.9	5.9	6.5	4.9	5.1
Map3k11	5.8	5.8	4.5	5.5	6.7	5.1	5.7	4.6	5.5	6.0	5.2	4.4
Map3k12	3.4	4.8	4.8	3.7	3.8	4.2	3.8	3.7	4.2	4.7	3.8	4.0
Map3k13	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.3	0.2
Map3k14	3.7	3.9	3.3	4.7	5.2	3.0	4.8	4.3	3.6	3.5	3.4	3.2
Map3k15	0.5	0.2	0.1	0.4	0.2	0.4	0.2	0.2	0.2	0.3	0.3	0.4
Map3k19	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Map3k2	3.9	4.5	4.6	4.0	4.1	4.6	3.7	4.0	3.8	4.3	4.4	4.6
Map3k3	19.5	22.3	23.4	18.7	22.5	18.2	24.1	21.4	25.2	19.4	21.2	21.8
Map3k4	7.3	7.2	6.7	6.1	6.3	7.1	5.9	5.2	5.5	5.7	5.4	5.9
Map3k5	1.2	3.3	4.3	1.2	2.3	0.7	1.8	1.6	1.9	1.9	1.4	2.2
Map3k6	2.9	3.8	3.4	3.1	4.0	2.6	5.1	4.3	4.2	3.4	4.0	3.4
Map3k7	18.6	17.0	15.4	18.8	16.4	18.4	17.2	14.9	15.1	15.6	17.0	16.8
Map3k8	3.8	4.5	5.6	3.5	4.3	2.8	3.4	4.4	3.3	2.3	2.6	3.2
Map3k9	0.1	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Map4	57.5	46.9	40.3	66.0	47.7	62.5	50.6	40.2	43.2	34.6	45.5	42.1
Map4k1	0.5	0.6	0.5	0.4	0.7	0.3	0.4	0.2	0.3	0.3	0.1	0.3
Map4k2	3.3	3.5	3.1	2.2	3.8	2.8	3.8	2.5	2.7	2.6	2.9	3.0
Map4k3	40.2	58.8	73.2	44.3	43.3	33.4	44.8	53.0	56.0	36.7	47.3	56.8
Map4k4	83.9	81.3	90.5	91.1	74.6	88.3	70.0	59.5	55.4	80.2	71.4	84.5
Map4k5	20.5	23.8	23.3	25.3	20.1	23.8	28.9	20.9	26.6	27.4	27.0	30.6

Online Table 1

Map6	51.3	40.7	35.4	52.7	39.4	47.8	62.7	52.6	48.5	42.1	62.7	50.1
Map6d1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
Map7	2.7	2.1	1.8	3.0	1.3	2.6	1.6	0.9	1.1	1.4	1.7	1.4
Map7d1	24.1	30.0	31.9	26.6	28.1	23.3	41.9	30.3	31.2	27.5	31.2	27.7
Map7d2	1.9	0.6	0.5	6.2	1.8	4.3	0.3	0.3	0.1	0.3	0.3	0.3
Map9	1.9	2.0	1.7	2.0	1.5	2.3	2.3	1.7	1.5	1.4	2.2	2.0
Mapk1	43.6	39.4	40.4	40.0	40.8	39.7	40.7	39.9	38.7	39.7	44.8	45.2
Mapk10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Mapk11	3.2	3.3	2.8	4.2	3.2	4.5	4.6	2.9	3.4	2.6	3.1	2.0
Mapk12	3.0	2.4	2.0	2.7	2.4	4.5	2.2	2.9	2.8	1.9	1.7	1.7
Mapk13	5.7	1.9	1.4	2.0	1.2	3.5	0.5	0.3	0.4	2.7	1.2	2.0
Mapk14	20.4	22.1	20.1	18.3	23.8	17.9	20.2	18.6	20.0	18.9	20.6	19.0
Mapk15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mapk1ip1	3.6	3.3	3.9	5.6	2.9	5.1	3.6	3.1	3.4	4.2	4.2	4.0
Mapk1ip1l	16.0	18.7	18.4	15.9	17.7	15.9	19.5	17.8	17.9	16.6	19.5	17.2
Mapk3	35.5	30.6	30.6	41.7	34.6	37.1	32.2	30.0	26.1	28.5	31.5	31.1
Mapk4	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.0
Mapk6	24.9	25.0	22.9	27.3	23.9	27.7	26.6	26.9	20.2	18.0	25.2	21.3
Mapk7	4.3	4.9	7.7	4.5	5.5	4.4	7.8	8.6	7.0	4.2	5.5	5.2
Mapk8	4.0	4.2	4.0	4.0	3.6	4.0	4.0	3.6	3.8	4.1	4.3	4.2
Mapk8ip1	5.2	5.5	4.6	5.1	4.3	6.4	5.4	8.8	5.1	6.6	6.3	3.9
Mapk8ip2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mapk8ip3	7.6	8.6	7.6	5.7	7.1	8.5	6.9	6.1	6.9	6.7	5.9	5.9
Mapk9	18.9	20.2	18.8	21.5	17.6	20.4	17.4	17.4	16.5	16.0	18.6	16.9
Mapkap1	19.4	20.5	18.8	19.2	17.6	18.7	17.4	19.7	18.3	17.1	18.6	18.7
Mapkapk2	42.4	42.9	35.4	43.1	48.1	38.2	41.2	37.2	41.8	45.3	40.1	39.3
Mapkapk3	5.4	5.2	4.2	5.9	9.3	4.2	4.9	3.8	4.5	7.3	6.7	5.9
Mapkapk5	14.5	13.3	13.6	16.8	13.1	16.8	15.0	12.8	13.6	10.6	14.0	12.6
Mapkbp1	4.1	4.2	3.7	3.3	3.8	3.4	3.7	3.3	3.3	3.4	3.7	3.3
Mapre1	25.4	22.0	20.4	28.1	24.2	24.7	22.8	18.6	21.0	22.5	24.5	23.8
Mapre2	5.8	5.5	4.7	5.6	5.5	6.4	4.0	4.6	4.2	5.4	5.6	4.2
Mapre3	6.0	7.0	6.2	5.6	5.8	6.9	6.2	5.4	5.6	4.9	5.8	6.0
Mapt	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Marcks	39.5	44.3	69.0	45.5	51.7	41.3	59.3	76.7	72.2	62.2	61.9	71.4
Marcksl1	34.3	47.6	65.1	31.7	71.4	26.6	64.9	59.4	62.5	76.9	61.0	69.2
Marcksl1-ps4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Marco	0.3	0.0	0.0	0.3	2.1	0.0	0.3	0.0	0.0	0.0	0.0	0.1
Marf1	16.4	20.1	18.1	15.7	17.8	14.9	15.3	15.4	16.0	14.7	16.0	15.2
Mark1	6.7	9.3	8.4	6.8	6.9	7.2	7.4	5.1	7.0	7.5	7.1	7.1
Mark2	4.1	4.9	4.6	4.4	5.2	3.9	4.9	4.9	5.3	5.4	4.7	4.1
Mark3	19.7	22.2	20.2	19.9	18.6	20.3	18.4	21.5	21.3	21.5	22.6	21.5
Mark4	4.8	5.5	5.4	4.1	4.5	4.3	5.9	4.8	5.5	4.9	4.9	5.5
Mars	33.0	27.1	23.8	28.1	25.5	29.6	28.4	31.7	27.4	21.9	26.5	22.8
Mars2	2.1	1.9	2.0	2.5	2.8	1.8	2.4	1.8	2.4	1.9	1.8	2.3
Marveld1	14.1	16.0	14.6	14.7	16.2	18.1	15.0	17.6	19.1	15.7	13.7	13.0
Marveld2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mas1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Masp1	0.9	0.4	0.2	1.4	0.4	0.7	0.3	0.1	0.4	0.5	0.3	0.4
Masp2	0.2	0.4	0.3	0.0	0.2	0.5	0.2	0.3	0.1	0.1	0.2	0.1
Mast1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1
Mast2	19.6	16.7	12.3	17.1	15.0	17.5	17.2	11.4	14.1	15.1	16.7	12.4
Mast3	1.7	2.2	2.1	2.0	2.8	1.8	2.1	1.4	1.9	2.0	1.6	1.4
Mast4	1.9	2.9	3.8	1.6	2.6	1.6	3.3	3.4	3.2	4.7	3.5	3.9
Mastl	1.6	3.5	5.0	1.0	4.3	1.1	5.1	1.8	3.4	1.6	3.2	2.3
Mat1a	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mat2a	32.4	32.3	26.9	30.2	34.7	30.1	31.4	33.0	36.7	35.7	34.4	28.0
Mat2b	25.7	27.1	24.6	25.6	27.7	22.4	23.9	25.5	28.7	29.0	28.0	27.4

Online Table 1

Matk	0.1	0.1	0.1	0.2	0.3	0.0	0.2	0.0	0.2	0.3	0.2	0.1
Matn2	5.9	10.6	25.6	4.5	11.6	6.8	13.9	51.8	22.1	10.2	11.9	14.9
Matn3	0.1	0.2	0.3	0.0	0.2	0.1	0.1	0.1	0.5	0.1	0.3	0.3
Matn4	0.9	1.9	2.9	1.0	2.3	1.8	2.2	5.4	4.9	2.5	1.5	3.2
Matr3	34.4	33.0	38.1	34.4	31.4	33.8	34.2	38.4	35.6	47.9	44.4	48.6
Mau2	10.0	11.1	9.4	9.0	10.6	8.6	9.4	9.8	11.0	10.5	10.1	8.9
Mavs	11.4	11.7	10.8	12.0	10.0	13.3	10.8	9.5	9.7	10.4	10.5	9.5
Max	19.3	19.1	19.8	26.1	21.4	20.4	24.6	21.2	17.2	17.2	22.6	21.3
Maz	13.0	14.2	16.8	13.4	13.4	13.9	14.8	21.8	16.5	13.5	15.8	12.9
Mb21d1	0.7	1.0	1.3	0.5	1.2	0.3	1.2	0.7	1.0	0.7	1.1	1.0
Mb21d2	1.4	1.0	1.0	1.5	1.2	1.8	1.0	1.2	1.0	1.6	1.3	0.9
Mbd1	7.4	6.9	7.0	8.4	9.2	6.1	9.0	7.2	10.5	11.3	10.4	13.9
Mbd2	38.9	39.5	40.3	49.5	36.9	42.7	41.1	31.9	35.9	35.1	40.1	42.4
Mbd3	12.9	12.0	11.2	14.3	13.5	14.1	14.1	13.9	12.7	15.4	13.2	13.1
Mbd4	0.4	1.1	1.4	0.5	0.9	0.6	0.9	1.0	0.9	0.8	0.7	0.8
Mbd5	2.8	3.0	3.4	2.6	2.6	2.7	2.6	3.0	2.4	2.4	2.8	2.7
Mbd6	0.4	0.5	0.6	0.4	0.6	0.4	0.5	0.7	0.7	0.5	0.5	0.5
Mbip	6.2	6.6	7.2	5.3	6.2	5.2	5.7	6.1	6.7	7.3	6.8	7.3
Mblac1	1.3	0.9	0.6	0.6	1.1	0.7	1.0	1.3	1.0	1.4	1.5	0.6
Mblac2	1.5	1.7	1.8	2.1	1.2	2.6	1.1	1.6	1.3	1.3	1.8	1.6
Mbnl1	52.3	56.0	65.2	87.6	64.3	80.8	65.1	60.7	56.0	51.5	76.0	61.7
Mbnl2	74.1	79.5	80.3	93.6	69.8	89.3	79.8	66.4	66.9	66.4	88.5	83.5
Mbnl3	0.7	0.7	0.8	1.3	0.9	0.6	0.8	0.7	1.1	0.6	0.8	0.7
Mboat1	1.3	2.0	2.7	0.8	1.6	0.9	1.4	1.7	1.4	1.0	1.0	0.9
Mboat2	2.2	3.4	3.2	1.8	2.6	1.5	2.1	2.7	2.8	2.0	1.8	2.5
Mboat4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1
Mboat7	11.0	12.9	10.3	8.9	11.5	9.2	13.2	8.7	11.5	17.4	12.7	10.4
Mbp	2.5	3.5	3.4	1.9	2.6	2.0	0.9	3.3	1.6	11.9	7.1	3.7
Mbtd1	1.8	2.5	2.6	1.7	2.4	1.9	2.2	2.2	2.7	2.5	2.7	2.3
Mbtps1	38.8	36.1	37.8	41.5	40.0	41.2	43.0	43.7	40.7	39.8	39.7	41.6
Mbtps2	2.8	3.2	2.6	2.4	2.6	3.4	2.3	2.9	2.6	2.7	2.7	2.5
Mc1r	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0
Mc2r	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mc5r	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1
Mcam	3.9	1.2	1.5	3.6	2.3	3.7	3.3	3.7	4.2	4.9	4.9	2.5
Mcat	7.6	7.1	5.1	5.9	5.9	5.6	5.8	5.8	5.5	7.5	5.6	5.2
Mcc	3.8	3.7	3.5	4.1	3.3	4.4	3.0	3.5	2.0	2.4	2.6	1.9
Mccc1	4.8	4.3	4.7	5.2	4.8	5.4	3.8	4.8	3.7	5.1	3.5	4.9
Mccc2	6.8	7.5	7.9	5.3	5.4	9.1	6.7	7.7	7.3	7.6	8.3	8.5
Mcee	19.3	15.0	15.8	19.5	16.5	18.3	16.1	13.9	14.2	18.2	17.8	16.7
Mcf2l	0.1	0.2	0.0	0.2	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.1
Mcfd2	327.9	291.0	250.9	304.3	280.5	264.2	290.0	204.7	253.3	263.0	283.6	333.0
Mchr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Mcl1	43.7	41.0	43.9	42.6	47.1	39.3	43.5	44.1	41.7	50.5	45.5	48.8
Mcm10	0.6	1.3	2.2	0.5	2.2	0.4	2.6	1.4	1.9	0.9	1.9	1.1
Mcm2	4.7	6.3	7.4	4.7	8.2	4.6	9.4	6.3	7.1	5.7	6.1	4.9
Mcm3	5.0	7.4	10.2	3.7	10.7	3.2	11.8	7.0	7.9	5.0	6.7	5.4
Mcm3ap	7.2	8.9	8.6	7.8	8.9	8.0	8.9	9.0	8.6	8.5	8.1	8.1
Mcm4	6.4	10.4	12.8	5.1	12.1	4.7	12.5	9.4	10.8	8.0	11.4	8.3
Mcm5	2.7	4.3	6.0	1.7	6.8	1.1	7.0	4.4	5.3	3.2	4.7	3.4
Mcm6	6.6	9.9	13.9	6.1	14.8	3.9	14.5	10.9	11.0	8.4	9.8	7.4
Mcm7	8.8	10.3	13.0	6.2	13.0	6.1	15.0	9.7	12.3	10.3	12.4	10.0
Mcm8	1.1	1.6	1.8	0.8	1.5	1.0	1.7	1.5	1.2	1.0	1.3	1.2
Mcm9	0.8	0.9	1.0	0.9	1.3	0.8	1.0	1.0	0.8	1.0	0.7	0.8
Mcmbp	8.9	9.7	8.8	8.2	9.7	7.3	9.4	8.9	10.6	10.6	10.9	8.9
Mcmcdc2	0.5	0.4	0.4	0.2	0.5	0.3	0.6	0.4	0.3	0.3	0.3	0.5
Mcoln1	15.4	14.6	12.9	18.4	13.9	20.0	16.1	14.3	14.8	13.3	13.6	14.0

Online Table 1

Mcoln2	0.5	0.2	0.3	3.3	3.0	0.3	0.3	0.1	0.2	0.6	0.3	0.3
Mcph1	2.7	3.4	3.3	2.7	3.0	3.4	3.4	3.0	3.1	2.8	3.2	3.2
Mcpt4	0.1	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.2	0.1	0.1	0.2
Mcpt8	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
Mcrs1	6.8	7.1	6.2	7.9	8.1	7.3	8.0	8.3	9.7	9.3	9.0	7.8
Mctp1	0.2	0.0	0.0	1.7	2.4	0.1	0.2	0.0	0.0	0.2	0.1	0.2
Mctp2	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Mcts1	32.0	32.1	25.8	30.2	30.1	33.2	20.0	23.0	26.5	33.1	27.0	25.8
Mcts2	6.7	7.1	5.7	5.3	7.2	6.9	7.3	8.3	6.6	7.1	8.6	6.7
Mcu	8.1	8.0	8.4	8.0	6.9	8.4	8.3	8.5	8.3	6.9	7.0	7.2
Mdc1	1.7	3.0	4.2	1.9	3.2	1.7	4.2	3.1	3.0	2.1	2.9	2.5
Mdfi	2.4	2.8	3.3	1.5	2.5	1.5	2.2	2.9	3.1	2.9	2.0	2.8
Mdfic	21.3	26.5	33.0	25.1	24.7	23.1	27.4	29.3	32.6	20.3	27.1	31.8
Mdga1	0.5	0.5	0.7	0.5	0.9	0.7	1.3	0.9	1.0	1.0	0.9	0.9
Mdga2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mdh1	70.6	68.8	61.1	64.7	58.9	63.8	52.7	57.6	53.0	64.9	56.8	57.0
Mdh1b	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Mdh2	104.5	93.2	81.0	101.7	98.7	96.2	98.0	95.7	83.3	100.6	100.9	88.2
Mdk	3.9	5.8	8.9	0.8	2.2	2.0	2.6	5.1	3.6	8.3	5.6	6.8
Mdm1	1.2	1.8	1.8	1.2	1.5	1.5	1.7	1.0	1.2	1.2	1.9	1.3
Mdm2	79.6	77.4	63.3	74.1	85.8	71.2	69.6	36.3	53.2	85.2	76.8	70.0
Mdm4	6.1	7.8	10.7	5.5	7.0	5.0	6.6	7.9	7.1	6.6	6.8	7.1
Mdn1	4.6	4.1	3.3	4.8	5.0	4.2	4.3	3.5	3.1	4.5	4.0	3.6
Mdp1	14.7	12.5	12.8	15.0	11.3	14.0	14.7	13.8	14.6	13.0	13.9	16.3
Me1	38.8	37.5	34.4	40.8	35.9	42.6	36.2	38.1	33.2	31.8	41.7	35.1
Me2	14.9	11.4	10.8	13.3	12.4	13.4	13.1	11.3	11.8	15.1	13.5	12.7
Me3	1.6	0.9	0.3	0.7	0.5	1.1	0.5	0.4	0.6	0.7	0.8	0.5
Mea1	60.6	53.0	53.3	75.1	52.8	68.5	65.1	62.3	52.9	58.8	70.2	65.1
Meaf6	4.3	4.6	6.6	5.3	6.6	3.5	6.0	6.0	7.1	6.0	7.1	7.9
Mecom	2.5	2.3	3.4	1.3	1.7	0.8	1.9	3.6	2.6	1.5	1.4	2.8
Mecp2	2.3	2.6	2.6	2.5	2.6	2.5	2.4	2.6	2.2	2.2	2.2	2.3
Mecr	12.4	10.0	7.5	11.9	11.9	10.0	9.9	9.7	7.9	7.7	7.8	7.3
Med1	11.6	13.3	13.9	13.2	12.5	11.2	13.3	14.1	13.6	11.8	12.8	12.3
Med10	27.3	27.1	25.9	32.0	25.8	27.1	30.8	30.8	24.8	32.0	31.4	27.0
Med11	8.9	8.2	8.8	11.6	11.4	9.3	10.3	10.4	10.0	11.3	10.2	9.7
Med12	3.3	3.9	4.5	3.3	4.2	3.4	4.6	4.9	4.2	3.2	3.6	3.4
Med12l	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Med13	5.7	7.4	7.4	5.7	5.9	6.0	5.3	6.9	5.8	6.3	6.5	6.2
Med13l	4.9	7.0	8.2	5.1	6.4	5.9	7.0	7.6	7.7	6.7	7.1	6.5
Med14	7.0	8.8	9.8	6.8	8.3	6.5	10.3	10.4	9.2	6.7	8.0	8.1
Med15	5.0	5.9	7.1	6.6	7.4	5.3	8.0	7.1	6.6	5.5	6.3	5.3
Med16	4.3	4.4	3.9	5.0	5.1	5.0	5.9	5.4	5.3	4.9	4.6	4.2
Med17	7.0	7.5	5.6	6.8	6.3	7.5	6.7	6.0	5.8	6.5	6.4	7.1
Med18	3.0	2.7	2.7	2.2	3.6	2.4	3.1	2.8	2.7	2.5	2.9	2.0
Med19	9.2	9.7	9.6	11.5	8.3	10.4	8.1	9.1	7.1	8.0	9.7	9.6
Med20	11.3	9.4	9.7	15.0	11.4	12.4	12.4	11.5	11.7	11.0	10.8	10.3
Med21	39.2	40.2	31.8	46.6	36.5	43.9	34.7	38.0	39.1	38.2	47.1	34.1
Med22	10.9	9.5	8.4	10.2	10.1	9.6	9.8	10.1	10.9	11.8	10.2	8.6
Med23	6.4	7.4	6.9	6.0	6.5	7.1	6.6	7.4	7.0	6.8	7.0	6.5
Med24	8.1	9.0	9.6	9.1	8.7	8.5	8.4	8.8	8.1	7.0	7.9	7.2
Med25	8.8	10.6	9.4	8.6	8.7	8.7	9.2	9.5	9.4	8.7	9.2	6.9
Med26	1.6	2.1	2.0	2.0	2.1	2.0	2.0	1.9	2.3	2.2	2.0	1.7
Med27	12.9	13.3	11.5	13.9	10.4	11.6	12.9	13.3	12.4	12.4	12.6	11.6
Med28	11.4	10.1	7.8	10.9	10.7	11.1	8.2	8.3	9.0	10.3	8.8	9.0
Med29	7.7	6.2	5.8	7.6	6.3	7.1	7.4	5.9	5.8	6.9	6.7	5.4
Med30	17.7	18.2	15.2	16.9	16.2	15.0	18.5	16.4	18.1	20.1	17.3	21.2
Med31	5.4	6.7	6.1	5.6	6.6	5.7	6.0	4.3	4.6	5.6	8.3	5.6

Online Table 1

Med4	8.9	11.2	12.0	7.9	11.7	7.3	10.9	10.7	11.2	8.9	10.4	11.5
Med6	16.7	19.0	17.9	16.9	17.0	18.1	18.1	18.3	18.5	17.4	17.2	19.6
Med7	7.3	7.7	7.3	7.4	7.2	7.2	6.7	6.8	6.2	8.3	8.1	8.5
Med8	13.6	13.7	14.2	14.8	13.1	10.2	13.8	14.2	13.7	13.2	14.7	14.1
Med9	5.0	4.9	3.9	4.7	4.2	4.8	4.4	4.4	4.7	4.6	4.7	4.0
Medag	55.2	51.2	47.8	69.0	58.7	79.9	63.9	53.3	58.6	46.1	45.6	61.6
Mef2a	10.3	8.1	9.5	11.6	13.8	9.1	10.7	8.3	8.6	13.0	10.3	11.3
Mef2b	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Mef2c	0.4	0.5	1.0	0.8	1.1	0.4	0.5	0.8	0.6	0.4	0.5	0.7
Mef2d	3.8	4.9	4.3	4.8	4.6	5.0	5.2	4.7	4.1	3.8	4.2	3.9
Mefv	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meg3	20.6	21.0	21.1	22.4	19.1	24.9	30.5	22.5	45.3	29.3	30.6	20.6
Megf10	0.7	0.8	1.4	0.6	1.9	1.1	1.3	1.2	1.5	1.2	1.3	1.0
Megf11	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.2
Megf6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	0.2	0.2
Megf8	13.8	12.6	9.8	11.0	13.1	12.9	14.5	10.1	13.0	13.0	10.1	9.3
Megf9	10.8	12.2	10.1	11.9	9.8	10.1	8.8	10.2	8.9	8.9	9.0	7.4
Meiob	0.2	0.1	0.1	0.2	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.1
Meis1	4.2	5.9	6.3	4.0	4.2	4.8	4.5	6.5	6.3	10.4	7.6	7.1
Meis2	5.4	4.3	5.1	4.2	2.4	3.4	3.8	4.6	3.9	7.4	6.9	6.3
Meis3	6.5	6.7	6.5	7.1	6.7	6.8	7.7	6.8	8.2	6.8	6.9	7.2
Melk	1.6	3.0	4.5	1.1	4.5	0.7	4.6	2.2	4.0	1.7	2.8	2.2
Memo1	26.3	25.5	23.7	28.7	28.4	25.3	28.2	27.2	27.0	28.9	33.7	28.9
Men1	6.6	7.9	8.1	6.7	7.5	6.7	9.3	9.2	8.8	7.7	8.9	7.3
Meox1	1.2	1.1	1.9	0.8	1.4	2.0	0.6	1.2	0.8	0.5	0.3	0.4
Meox2	0.3	0.2	0.3	0.4	0.2	0.1	0.2	1.0	0.4	0.2	0.1	0.2
Mep1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mepce	5.5	6.0	6.1	5.3	6.0	5.8	6.1	6.0	5.9	6.7	5.4	5.8
Mertk	5.3	3.8	3.0	6.8	4.1	4.6	3.2	1.3	1.6	3.4	2.6	2.2
Mesdc1	4.0	4.2	4.4	3.1	4.7	2.7	4.7	5.7	5.6	5.8	4.0	3.8
Mesdc2	25.7	23.2	22.4	30.2	21.2	28.4	22.3	20.4	20.1	21.7	21.5	24.5
Mesp2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mest	1.6	0.9	0.9	1.6	1.7	1.1	1.5	2.4	1.6	2.6	3.7	1.6
Met	5.0	3.4	2.2	4.8	2.6	5.2	1.6	1.5	1.8	8.7	4.9	3.4
Metap1	15.8	14.4	14.9	15.2	13.0	15.4	14.8	14.5	14.2	15.3	17.7	16.0
Metap1d	12.1	9.4	8.6	9.9	8.0	8.7	6.2	9.2	6.7	7.0	8.7	7.2
Metap2	25.6	25.1	24.7	29.5	23.3	26.3	23.6	22.4	21.1	26.4	28.0	28.5
Metrn	10.1	8.2	5.9	9.2	7.1	11.7	7.9	4.9	7.7	7.2	7.1	5.9
Metrnl	9.0	7.8	6.9	14.0	22.0	6.3	12.8	9.1	12.9	11.2	12.3	10.2
Mettl1	7.6	5.7	4.7	9.7	7.7	7.7	6.9	6.8	5.9	6.0	5.9	6.2
Mettl10	15.5	13.6	14.2	14.4	12.3	14.9	10.9	14.6	15.3	12.4	14.9	15.1
Mettl13	2.9	2.3	2.2	2.2	2.3	3.0	2.0	2.1	1.8	2.3	2.0	1.9
Mettl14	3.9	3.7	3.4	5.0	3.9	4.3	4.0	3.1	3.0	3.7	4.9	3.8
Mettl15	2.4	2.5	2.8	2.8	1.7	2.4	1.9	2.3	2.0	1.5	2.6	2.0
Mettl16	16.0	14.1	13.8	17.1	13.1	14.2	13.6	13.1	13.3	16.6	17.6	16.0
Mettl17	3.1	3.2	2.9	2.4	2.7	3.3	2.7	2.9	3.3	4.0	2.5	2.7
Mettl18	2.3	2.7	2.2	3.0	2.5	2.7	1.8	2.4	2.7	2.4	2.3	2.1
Mettl2	4.8	5.2	4.6	5.6	4.1	6.0	4.7	4.9	5.0	5.1	5.5	5.3
Mettl20	2.1	2.7	2.1	2.2	1.5	2.5	1.3	1.5	2.8	3.3	2.5	3.7
Mettl21a	11.8	10.9	9.9	8.9	9.4	9.9	8.6	9.4	9.6	10.8	10.8	10.8
Mettl21c	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.1
Mettl21d	4.0	3.4	4.2	4.7	3.8	4.9	3.7	2.5	2.8	3.5	2.6	3.9
Mettl21e	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1
Mettl22	3.5	3.0	2.5	5.2	2.3	4.8	2.4	2.3	2.7	2.8	3.5	2.6
Mettl23	11.8	10.2	7.9	7.3	9.7	9.9	7.6	9.2	10.8	11.1	10.1	8.5
Mettl24	0.9	0.5	0.3	0.6	0.4	0.7	0.4	0.3	0.3	0.6	0.7	0.8
Mettl25	3.1	2.7	2.7	3.4	3.0	3.3	3.1	1.9	2.4	2.6	3.3	2.6

Online Table 1

Mettl3	10.8	10.3	9.2	11.5	10.6	10.8	11.2	10.4	10.0	10.4	11.0	10.6
Mettl4	5.8	6.8	6.1	3.9	5.2	6.7	4.7	5.2	5.0	5.5	5.6	5.6
Mettl5	6.8	9.1	7.1	7.9	5.9	9.8	6.0	7.1	5.8	7.1	7.1	7.9
Mettl6	10.7	11.4	10.2	8.3	11.5	10.5	10.4	9.9	9.2	12.3	11.9	10.9
Mettl7a1	22.6	21.1	28.0	20.9	12.9	22.3	11.4	16.0	13.5	15.1	15.0	16.7
Mettl7a2	0.4	0.3	0.4	0.5	0.1	0.4	0.1	0.3	0.2	0.3	0.2	0.3
Mettl7a3	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Mettl7b	0.6	0.3	0.1	0.0	0.1	0.1	0.3	0.3	0.3	0.2	0.3	0.3
Mettl8	2.4	2.3	2.7	1.9	1.9	2.1	2.2	2.5	1.7	2.0	2.4	2.1
Mettl9	26.4	25.9	26.0	22.8	21.8	22.8	25.2	27.4	32.4	32.5	32.6	31.8
Mex3a	1.2	1.1	1.0	1.0	0.8	1.1	0.8	0.9	0.7	1.4	1.3	1.0
Mex3b	0.5	0.4	0.5	0.6	0.6	0.8	0.6	0.7	0.4	0.5	0.7	0.4
Mex3c	19.8	20.5	17.9	18.5	19.6	18.1	19.4	18.0	21.2	23.0	24.5	21.7
Mex3d	4.7	5.0	4.4	4.5	4.3	4.5	4.7	4.9	5.6	4.7	4.7	3.8
Mfap1a	9.4	9.7	11.8	12.5	9.8	10.8	9.2	10.5	9.8	11.6	13.2	14.1
Mfap1b	7.8	7.2	9.3	10.1	6.8	8.0	8.0	7.5	7.6	8.5	9.3	11.4
Mfap2	0.1	0.5	1.1	0.0	0.3	0.1	0.2	0.2	0.4	0.9	0.5	0.5
Mfap3	5.8	6.7	6.7	6.3	6.7	6.3	6.4	6.8	6.1	5.8	5.5	6.1
Mfap3l	3.7	2.7	2.0	5.0	2.7	4.0	2.2	1.4	1.5	1.2	1.8	1.5
Mfap4	32.3	76.0	200.9	38.7	69.9	35.9	44.4	223.6	64.0	23.8	31.7	51.7
Mfap5	80.3	98.6	129.2	83.6	77.2	73.7	138.2	190.5	148.1	93.9	112.9	124.0
Mff	37.8	34.6	29.1	35.8	32.4	36.8	31.1	30.8	32.4	33.1	35.3	33.8
Mfge8	153.6	112.0	89.6	190.2	128.4	189.5	120.6	136.6	135.1	105.9	113.6	103.8
Mfhas1	6.4	6.7	5.5	5.9	6.2	5.7	6.3	6.2	7.4	5.2	5.8	5.0
Mfi2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mfn1	10.4	10.2	9.3	9.4	8.7	10.8	8.5	8.6	8.4	9.3	10.2	10.2
Mfn2	25.0	22.8	18.5	27.8	19.9	25.9	19.3	17.7	17.5	18.2	18.9	18.2
Mfng	0.1	0.0	0.0	0.3	0.5	0.0	0.1	0.2	0.1	0.1	0.0	0.0
Mfsd1	48.1	37.7	30.6	52.3	50.4	46.3	33.7	34.4	36.0	41.9	36.7	40.0
Mfsd10	8.5	9.1	9.4	7.7	9.5	9.7	10.0	10.6	10.9	9.1	7.4	7.0
Mfsd11	7.4	7.5	6.5	8.6	9.9	9.8	7.2	7.4	8.8	8.7	6.7	7.8
Mfsd12	2.7	2.6	2.5	4.2	4.8	2.8	2.3	2.3	3.0	2.4	2.1	2.6
Mfsd2a	1.3	1.8	1.4	0.8	2.2	0.9	3.3	5.1	3.7	2.1	4.0	1.6
Mfsd2b	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Mfsd3	6.3	5.7	4.5	4.7	5.0	6.0	5.2	5.8	6.2	6.1	4.2	4.8
Mfsd4	2.0	2.4	2.7	1.5	2.4	2.2	1.9	2.4	2.1	2.2	2.5	2.3
Mfsd5	19.6	19.3	16.4	26.2	20.1	22.5	22.1	19.0	19.5	17.5	19.1	16.0
Mfsd6	9.6	6.7	5.4	16.4	11.4	11.9	6.6	5.0	4.0	5.3	6.8	5.6
Mfsd7a	1.1	1.1	1.4	1.2	1.1	1.9	1.4	1.7	1.4	0.8	1.0	1.0
Mfsd7b	1.8	2.1	1.9	2.7	3.6	1.8	2.3	1.5	1.9	2.2	2.1	1.8
Mfsd7c	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.1
Mfsd8	4.6	4.0	3.4	4.2	3.7	4.6	3.2	3.3	3.9	4.2	3.3	4.1
Mfsd9	1.7	2.0	2.3	1.5	2.0	1.9	2.0	2.5	2.1	1.8	1.9	2.0
Mga	6.0	6.8	7.3	6.1	6.5	5.9	6.3	6.8	6.2	7.3	7.7	7.5
Mgam	0.3	0.4	0.4	0.1	0.7	0.1	1.1	2.2	1.0	0.4	1.1	0.7
Mgarp	0.2	0.5	0.3	0.3	0.4	0.8	0.5	0.1	0.4	0.3	0.2	0.2
Mgat1	27.3	25.3	23.5	28.4	28.5	28.7	30.8	28.0	31.9	25.3	23.4	25.5
Mgat2	40.1	37.6	37.3	38.1	43.0	40.1	49.0	40.0	46.2	45.4	47.6	47.2
Mgat3	4.7	7.4	7.7	4.1	5.8	7.4	6.5	6.1	8.3	7.5	6.1	7.6
Mgat4a	2.3	2.9	2.9	3.3	4.4	2.6	2.4	2.2	2.0	2.0	1.9	2.4
Mgat4b	14.6	14.1	11.9	16.1	13.5	21.2	12.9	9.2	11.6	10.4	9.8	9.9
Mgat5	4.1	3.2	3.4	5.2	5.8	4.6	4.3	3.6	2.9	3.6	3.8	3.6
Mgat5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mgea5	36.0	36.6	30.5	36.5	32.1	35.8	26.2	29.4	28.6	25.5	32.5	28.7
Mgl2	0.3	0.0	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.0	0.0	0.1
Mgl1	13.5	9.2	8.7	8.4	7.6	10.2	7.4	12.0	6.9	9.5	11.9	7.7
Mgme1	3.8	3.9	3.7	4.4	4.1	5.3	4.2	3.1	3.5	3.1	3.9	3.4

Online Table 1

Mgmt	52.6	43.9	38.1	51.8	35.3	58.3	30.4	29.1	27.8	49.5	42.8	35.9
Mgp	55.5	66.3	202.2	9.5	37.3	17.2	46.5	158.1	103.0	771.2	227.1	478.1
Mgrn1	21.2	18.6	18.1	21.2	19.6	19.1	20.4	16.7	18.2	20.1	19.6	18.9
Mgst1	191.4	230.3	244.9	194.0	208.4	185.8	187.6	239.7	192.8	264.8	214.8	236.8
Mgst2	1.3	0.8	0.7	1.2	2.0	0.7	0.2	0.4	0.4	1.2	0.3	0.2
Mgst3	7.4	6.2	5.3	16.4	12.0	12.1	7.4	6.7	4.5	5.1	3.4	5.2
Mia	0.2	0.2	0.2	0.0	0.1	0.0	0.0	0.2	0.1	0.2	0.0	0.0
Mia3	37.9	38.0	43.7	41.9	33.6	43.1	41.5	39.3	34.1	31.5	40.7	39.3
Miat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mib1	20.7	18.7	15.0	17.2	17.4	18.2	16.8	16.5	15.1	15.7	16.7	15.6
Mib2	9.7	11.0	10.4	9.2	6.9	11.9	8.4	8.3	8.4	8.5	8.3	7.7
Mical1	12.4	12.5	13.0	16.0	14.9	14.5	13.1	12.8	12.0	8.5	10.7	11.0
Mical2	53.0	64.9	60.8	43.4	48.0	49.9	62.3	58.0	60.5	66.1	66.5	65.2
Mical3	2.6	3.0	3.2	2.4	2.9	2.3	3.9	3.8	3.3	3.6	3.7	3.7
Micalcl	0.5	0.8	0.8	0.6	0.6	0.4	0.6	0.5	0.5	0.9	0.7	1.0
Micall1	5.3	4.7	4.5	4.9	4.4	4.2	5.5	4.3	4.6	6.2	5.9	5.2
Micall2	8.7	12.0	11.9	7.9	11.8	7.5	11.7	9.0	9.3	6.4	7.7	7.9
Micu1	29.3	26.5	23.2	32.4	23.4	32.4	21.3	26.1	20.1	21.5	21.4	23.5
Mid1	5.7	8.4	9.1	5.1	6.3	4.7	6.9	6.9	6.2	4.2	5.1	4.3
Mid1ip1	17.5	15.6	15.3	15.0	15.8	14.3	21.1	25.3	19.8	14.3	20.2	12.8
Mid2	3.7	4.3	4.3	4.6	3.2	4.1	3.8	4.4	4.3	3.6	5.0	4.6
Midn	5.9	7.3	7.4	6.6	7.9	6.5	6.9	8.2	9.0	8.1	6.7	6.1
Mien1	64.8	60.8	48.0	64.6	56.9	68.0	55.3	56.1	49.6	58.7	60.0	55.1
Mier1	8.9	9.8	11.6	10.9	9.4	9.6	8.9	8.9	8.6	9.5	10.5	11.2
Mier2	6.5	7.4	6.0	6.4	6.9	6.7	8.5	6.4	7.8	6.5	6.4	6.2
Mier3	5.7	6.6	7.9	6.3	5.1	6.6	7.1	7.3	6.8	6.7	7.4	8.5
Mif	186.0	145.1	127.5	188.4	160.5	221.6	132.9	138.2	121.7	161.1	133.1	135.2
Mif4gd	5.5	4.1	6.0	5.9	5.8	5.5	6.4	7.7	6.4	6.1	5.3	6.9
Miip	5.4	5.9	5.4	4.9	5.4	4.8	5.3	4.2	6.4	5.0	5.5	5.0
Mill2	5.3	7.1	8.9	6.2	6.3	7.3	7.0	6.6	4.1	4.1	4.1	5.4
Milr1	0.9	0.1	0.2	4.6	10.2	0.1	1.3	0.2	0.1	0.9	0.1	1.1
Mina	6.4	4.9	4.9	8.7	6.9	6.7	7.2	5.0	5.2	6.1	7.2	6.6
Mink1	7.0	6.3	6.1	8.6	6.5	8.6	5.6	4.8	5.0	5.8	5.5	5.0
Minos1	16.0	14.3	16.7	16.0	15.4	15.8	18.1	14.2	14.4	18.2	17.0	18.3
Minpp1	14.7	13.5	11.9	16.0	14.7	13.6	14.1	13.3	13.8	14.8	14.2	13.0
Mios	5.5	6.2	6.0	4.9	5.3	4.0	5.8	6.7	7.8	5.6	6.4	6.5
Mip	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Mipep	5.4	4.3	4.9	6.3	4.6	8.0	4.4	4.2	3.5	4.8	4.4	4.1
Mipol1	4.4	4.5	4.1	2.7	3.1	4.3	3.4	3.3	2.2	3.3	2.9	3.4
Mir143hg	3.4	4.4	5.2	3.0	3.9	3.3	6.0	4.9	5.3	3.3	5.4	4.6
Mir17hg	0.3	0.3	0.3	0.3	0.3	0.1	0.3	0.2	0.2	0.2	0.4	0.3
Mir1940	14.4	0.0	11.3	0.0	0.0	9.0	22.3	26.9	14.4	8.1	11.9	6.8
Mir1983	0.0	0.0	0.0	11.6	3.7	0.0	2.2	4.5	2.2	0.0	0.0	4.4
Mir2137	17453.8	60445.9	11669.9	86708.1	30537.4	16613.9	33465.8	19729.2	19462.4	23332.1	46996.7	58902.4
Mir22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir22hg	14.2	13.8	10.9	14.4	15.7	13.5	16.1	11.7	17.4	18.4	15.7	16.1
Mir3069	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir546	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir671	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir678	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir682	0.0	19.0	0.0	18.2	18.0	7.1	0.0	8.6	7.6	1.9	8.5	0.0
Mir684-1	0.0	23.7	13.3	3.0	18.2	4.3	12.2	16.9	7.0	18.8	6.6	21.1
Mir686	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir692-1	3.3	2.3	1.1	18.0	1.8	6.9	1.1	0.0	2.8	0.0	0.5	0.0
Mir703	12.3	7.6	97.6	49.6	42.3	67.4	15.9	60.7	39.7	88.5	9.5	101.7
Mir719	0.6	0.0	0.0	2.7	0.0	0.0	0.0	0.0	10.5	11.2	4.3	0.0
Mira	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.9	1.2	0.2

Online Table 1

Mirg	1.7	0.9	0.9	1.0	1.3	1.2	1.7	1.8	3.0	2.8	3.7	1.8
Mis12	13.8	15.7	15.1	13.7	14.1	13.0	13.8	13.1	12.6	13.7	14.8	15.5
Mis18a	2.9	3.7	4.6	2.4	4.9	2.1	3.9	3.7	4.4	3.7	3.3	2.7
Mis18bp1	0.9	1.5	2.0	0.6	1.9	0.5	2.3	1.1	1.8	1.1	1.6	1.4
Mitd1	11.7	10.1	11.3	13.9	10.4	9.3	9.6	10.1	9.2	11.1	11.3	13.2
Mitf	1.6	1.7	2.0	3.6	3.1	1.6	1.5	1.4	1.2	1.9	2.1	2.2
Mixl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mki67	3.5	5.9	11.1	1.2	9.0	0.9	12.6	4.7	7.5	3.8	7.7	5.5
Mki67ip	20.5	14.9	14.7	20.9	17.8	16.2	16.9	15.3	14.3	19.3	19.4	16.3
Mkks	9.8	9.3	8.3	9.4	9.7	9.8	8.2	8.9	9.6	9.5	9.4	9.7
Mkl1	2.6	3.9	3.5	3.2	4.6	3.3	5.5	2.9	4.6	4.5	3.5	2.8
Mkl2	2.9	3.2	2.9	3.2	3.2	3.6	3.3	2.5	2.4	2.8	2.6	2.5
Mklin1	17.7	19.1	18.0	17.0	15.6	17.2	16.1	16.6	16.5	17.2	17.6	18.5
Mknk1	7.9	6.4	5.9	7.3	8.8	5.9	7.1	7.4	7.0	6.9	7.1	6.5
Mknk2	14.3	19.0	15.0	14.1	16.7	15.2	14.0	13.3	15.4	16.8	14.2	13.9
Mkrn1	12.6	12.4	11.4	13.6	13.0	12.9	9.5	11.3	10.4	10.7	11.0	11.4
Mkrn2	9.1	9.0	8.2	8.5	7.0	9.9	7.1	8.5	6.9	7.0	7.9	6.9
Mkrn3	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.4
Mks1	2.1	1.4	2.0	1.9	1.5	2.0	1.8	2.0	2.0	1.8	1.3	1.7
Mkx	0.5	0.4	0.3	0.6	0.6	0.6	0.8	0.3	0.3	0.3	0.5	0.4
Mlana	7.0	1.6	0.8	3.1	0.8	1.7	0.0	0.2	0.1	1.3	0.2	1.1
Mlec	102.4	82.7	73.7	89.8	87.7	86.4	85.0	77.3	76.4	96.6	94.6	88.9
Mlf1	0.4	0.7	1.4	0.3	0.7	0.5	1.3	0.7	0.8	0.6	0.8	0.6
Mlf1ip	0.3	0.4	0.7	0.1	0.4	0.2	0.7	0.4	0.5	0.3	0.5	0.5
Mlf2	77.3	68.3	63.2	81.6	72.2	79.1	80.8	69.7	72.9	73.0	75.3	68.8
Mlh1	5.3	5.3	4.5	3.6	4.2	5.1	4.2	5.2	4.8	4.4	4.7	3.7
Mlh3	5.5	5.6	4.8	5.5	4.7	7.2	4.8	4.8	4.6	4.9	5.6	6.0
Mlk1	21.7	17.9	19.4	26.3	20.8	24.0	18.8	17.5	15.1	13.7	17.3	19.4
Mll1	1.7	2.4	2.4	1.8	2.2	2.0	2.7	1.9	1.8	1.8	1.9	1.6
Mll2	0.5	1.0	1.0	0.6	1.0	0.7	1.2	0.9	1.1	1.0	0.9	0.7
Mll3	2.2	2.6	2.6	2.1	2.3	2.2	2.2	2.3	2.1	2.2	2.0	2.2
Mll5	3.1	4.2	5.0	3.9	4.2	4.0	4.6	4.4	4.1	4.2	5.0	4.8
Mllt1	6.7	7.3	6.8	6.2	6.5	7.0	6.9	7.4	6.8	6.2	7.1	6.1
Mllt10	3.4	5.0	5.0	3.6	3.9	3.7	4.8	5.0	4.7	4.2	4.2	4.4
Mllt11	8.5	8.4	7.7	11.2	9.0	9.9	9.2	8.1	9.8	7.7	10.2	8.2
Mllt3	12.3	15.3	15.4	9.3	8.6	13.0	11.0	10.5	11.6	9.5	12.5	14.1
Mllt4	10.7	10.3	10.3	10.5	8.6	9.8	10.1	9.3	9.5	10.1	11.4	9.7
Mllt6	3.7	4.7	5.5	4.7	4.9	4.2	4.9	5.3	5.7	5.2	4.1	5.5
Mlph	0.1	0.1	0.0	0.2	0.1	0.3	0.0	0.1	0.0	0.0	0.1	0.0
Mlst8	2.2	1.7	1.9	2.6	2.5	2.3	3.0	3.4	3.2	2.5	2.9	2.0
Mlx	10.3	10.1	10.2	9.2	11.0	7.8	8.4	10.2	9.8	10.8	11.2	10.9
Mlxip	1.9	3.0	3.2	1.9	2.8	1.6	2.4	2.5	2.7	1.8	2.1	2.2
Mlxipl	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Mlycd	6.7	5.5	3.8	6.9	4.8	5.4	4.5	5.1	5.3	6.0	4.8	4.8
Mmaa	2.8	2.6	2.6	2.8	2.4	3.1	1.9	2.1	1.8	2.5	2.4	2.9
Mmab	7.8	9.5	9.8	6.5	7.2	7.7	11.4	12.9	10.1	5.7	11.5	7.5
Mmachc	6.9	6.3	5.7	8.0	6.1	7.1	6.7	7.3	5.9	5.7	7.9	6.1
Mmadhc	60.6	47.8	37.3	49.9	47.1	48.1	41.7	43.7	50.9	59.1	54.3	52.8
Mmd	11.7	8.9	8.8	27.3	15.9	22.6	8.2	5.2	6.0	22.9	12.5	10.3
Mme	0.3	0.4	0.7	0.2	0.5	0.2	0.3	0.8	0.6	0.5	0.4	0.5
Mme1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Mmgt1	9.1	10.8	10.3	9.6	10.5	10.1	10.6	10.1	10.8	11.5	12.5	11.5
Mmgt2	7.6	7.2	6.5	9.5	6.8	7.4	7.1	5.8	6.9	7.8	8.0	6.5
Mmp10	3.7	2.3	4.3	7.3	3.7	4.3	1.3	0.2	0.7	1.7	0.3	1.8
Mmp11	8.8	11.0	13.5	8.7	6.7	11.8	7.7	14.0	13.2	12.3	9.9	10.2
Mmp12	10.2	0.1	0.5	82.6	102.1	0.0	4.8	1.9	0.9	4.1	1.7	2.9
Mmp13	0.2	0.1	0.0	0.5	0.7	0.0	0.1	0.1	0.1	0.2	0.2	0.1

Online Table 1

Mmp14	55.4	44.4	51.5	45.3	62.3	41.1	63.0	77.6	76.6	87.7	75.4	80.8
Mmp15	0.8	0.6	0.4	0.5	0.7	0.5	0.5	0.3	0.4	0.3	0.5	0.4
Mmp16	8.0	6.1	5.4	4.3	6.1	4.0	8.4	8.0	7.8	3.8	7.0	5.5
Mmp17	0.4	0.4	1.0	0.4	0.6	0.3	1.8	2.5	3.5	2.5	1.4	1.6
Mmp19	14.5	15.7	20.2	15.7	15.2	14.5	15.4	16.9	15.4	16.1	13.9	19.0
Mmp1a	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Mmp1b	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.2	0.1	0.0	0.2
Mmp2	74.0	72.3	118.3	46.6	58.2	53.7	47.9	83.5	53.1	100.0	82.6	89.2
Mmp21	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Mmp23	20.4	27.3	36.4	20.8	25.9	31.5	33.7	64.1	53.2	43.1	31.4	45.3
Mmp24	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1
Mmp25	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mmp27	1.1	1.0	1.5	0.9	0.8	0.5	0.9	0.6	0.8	0.9	0.7	1.2
Mmp28	1.1	1.0	1.1	0.8	0.7	2.1	1.1	1.0	1.2	0.9	1.0	0.8
Mmp3	116.8	98.6	180.6	196.1	95.5	121.3	21.8	10.3	31.4	52.0	15.2	73.4
Mmp8	3.8	6.1	11.7	7.5	14.4	1.5	9.6	6.2	8.6	11.5	8.0	15.9
Mmp9	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mmrn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Mmrn2	0.9	0.3	0.5	0.1	0.3	0.4	0.5	1.0	0.5	0.2	0.1	0.3
Mms19	10.9	9.9	8.5	9.5	9.0	11.0	8.7	9.8	10.0	9.8	9.8	8.8
Mms22l	1.3	1.9	2.0	0.9	1.9	1.1	2.2	1.4	2.1	1.3	1.4	1.2
Mn1	6.3	9.8	9.6	5.0	6.6	6.7	9.6	11.9	10.7	6.0	6.3	7.1
Mnat1	11.0	10.6	10.3	10.9	8.7	12.0	9.7	10.2	9.7	11.4	11.6	12.6
Mnd1	0.5	0.4	0.6	0.6	0.3	0.6	0.6	0.5	0.5	0.3	0.5	0.5
Mnda	21.4	17.2	28.3	22.8	21.8	13.3	20.6	22.3	16.0	13.9	17.8	26.1
Mndal	5.8	4.2	8.4	9.0	6.4	5.5	4.7	3.5	3.7	2.9	3.5	7.5
Mnf1	124.7	111.7	87.5	131.9	96.2	132.8	100.1	132.8	108.3	105.6	123.6	97.2
Mns1	1.3	1.9	3.1	1.2	2.4	0.6	3.7	1.3	1.6	0.8	1.7	2.0
Mnt	1.0	1.2	1.2	1.3	1.2	1.5	1.1	1.5	1.2	1.2	0.9	1.0
Moap1	0.5	1.2	1.9	0.9	0.6	1.2	1.3	0.5	0.9	1.4	0.7	1.7
Mob1a	56.1	55.9	51.3	53.9	60.3	52.4	53.7	53.2	61.1	58.8	61.3	57.2
Mob1b	6.9	6.4	6.6	8.3	7.8	8.3	6.7	6.2	5.9	7.5	8.7	7.1
Mob2	13.2	12.4	9.6	13.3	12.8	11.4	12.9	11.1	10.8	12.5	12.3	12.9
Mob3a	13.0	12.8	11.1	15.8	17.8	12.2	18.5	14.0	15.0	14.4	18.2	14.3
Mob3b	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Mob3c	4.5	3.6	3.9	5.0	4.5	3.8	4.4	3.5	3.7	4.2	4.4	3.8
Mob4	18.8	21.3	18.4	21.8	19.4	20.3	19.6	20.6	22.6	23.5	25.6	24.7
Mocos	9.2	5.6	4.9	10.9	7.4	7.9	5.4	4.3	4.2	5.7	4.7	5.2
Mocs1	9.6	8.1	7.9	9.4	9.7	9.4	9.8	9.3	9.0	10.1	8.1	9.5
Mocs2	24.7	18.8	16.8	21.4	16.3	19.3	18.8	15.2	17.5	18.9	18.8	19.8
Mocs3	4.4	3.2	3.2	3.0	2.8	4.0	3.5	3.4	4.2	4.1	3.2	4.0
Mog	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Mogat1	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Mogat2	2.0	0.9	1.3	1.2	0.7	0.7	0.4	0.8	0.8	2.1	1.1	0.8
Mogs	9.9	10.1	9.6	11.0	11.3	11.3	10.5	10.9	13.9	12.8	10.5	10.3
Mon1a	4.8	5.6	5.9	6.1	5.3	6.7	5.2	5.3	5.9	5.5	3.5	4.6
Mon1b	4.3	4.3	4.7	4.9	4.4	4.4	4.8	4.6	4.4	4.4	4.3	4.1
Mon2	13.6	14.4	13.4	12.8	13.8	13.6	14.0	13.3	13.2	12.0	13.1	12.3
Morc1	0.2	0.1	0.1	0.1	0.1	0.4	0.1	0.0	0.1	0.1	0.1	0.0
Morc2a	7.3	6.9	7.3	7.9	6.2	6.1	7.0	7.4	7.5	6.7	8.1	7.4
Morc2b	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Morc3	10.3	10.7	10.6	9.8	11.4	8.5	9.8	8.4	11.3	12.3	12.5	12.6
Morc4	3.6	3.5	3.0	4.3	2.6	5.2	3.4	2.9	3.5	3.7	4.3	4.1
Morf4l1	56.3	57.2	64.7	63.1	56.5	58.9	59.0	65.2	54.5	59.8	63.7	65.9
Morf4l2	175.5	160.0	168.2	186.8	162.1	182.0	192.0	196.9	178.2	196.2	212.6	216.8
Morn1	0.6	0.8	0.9	0.8	0.4	1.0	0.7	0.9	0.5	0.6	1.0	0.5
Morn2	10.8	6.4	6.4	9.9	7.1	10.7	6.1	6.7	4.1	8.8	8.8	6.7

Online Table 1

Morn3	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Morn4	4.4	2.9	2.5	4.3	2.7	5.6	2.4	1.3	1.6	2.0	2.6	2.3
Morn5	0.6	0.4	0.9	0.5	0.2	0.6	0.1	0.2	0.1	0.1	0.3	0.0
Mospd1	10.0	8.8	7.2	9.2	7.5	8.7	6.2	6.5	6.6	8.7	8.1	8.3
Mospd2	21.6	18.8	15.9	16.9	17.5	15.9	17.3	16.7	18.5	15.5	21.9	16.9
Mospd3	0.2	0.4	0.5	0.2	0.6	0.9	0.5	0.8	0.6	0.7	0.3	0.5
Mov10	5.3	6.4	6.9	5.7	6.1	5.2	5.5	5.9	6.0	3.9	4.0	5.3
Mov10I1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Moxd1	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0
Mpc1	39.5	30.0	39.0	40.8	31.0	45.1	32.8	32.8	34.1	26.9	38.1	42.0
Mpc2	38.6	35.4	29.6	29.8	30.3	33.3	26.9	29.3	38.5	40.7	30.2	33.6
Mpdu1	5.3	5.1	5.1	7.1	7.2	5.3	6.0	7.5	6.4	6.4	6.2	6.9
Mpdz	25.7	29.2	29.1	31.9	22.1	32.9	26.9	27.6	23.0	22.6	28.0	22.9
Mpeg1	5.7	0.3	0.7	39.9	72.1	0.2	6.6	1.2	1.3	4.4	1.6	3.4
Mpg	10.7	8.5	7.2	8.5	8.6	7.7	9.0	8.8	8.7	10.1	8.8	8.1
Mphosph10	16.5	15.0	15.7	19.8	14.7	15.2	15.8	13.4	12.2	14.0	18.4	16.2
Mphosph6	11.0	8.1	12.3	13.2	11.7	10.3	12.6	12.3	11.2	10.5	14.0	12.1
Mphosph8	14.0	13.5	14.0	15.0	12.8	13.4	13.6	12.6	11.7	12.3	15.9	16.1
Mphosph9	0.7	0.9	1.1	0.8	1.1	0.7	0.9	1.0	0.9	0.9	1.1	0.8
Mpi	9.3	9.1	8.6	9.0	8.1	8.8	8.7	8.4	7.0	7.8	8.8	7.5
Mplkip	2.0	2.0	2.2	2.7	2.5	2.4	2.4	2.5	2.2	2.9	2.6	3.1
Mpnd	20.5	20.7	20.5	18.0	15.3	23.7	17.0	20.2	20.7	16.8	14.5	18.2
Mpo	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Mpp1	44.5	42.3	39.2	43.4	37.8	40.1	31.2	28.6	34.1	34.9	38.2	36.8
Mpp2	2.2	2.8	3.0	1.3	1.6	1.4	2.0	1.9	1.4	4.0	2.4	2.3
Mpp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mpp4	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.2	0.1
Mpp5	14.5	16.8	18.2	14.6	12.1	13.9	14.4	13.7	13.2	17.0	19.0	19.3
Mpp6	8.7	7.2	7.2	9.0	9.3	7.7	7.2	5.7	5.6	8.8	8.1	7.9
Mpp7	3.6	4.0	3.8	3.1	2.9	2.7	2.8	3.0	2.5	2.8	3.3	2.9
Mppe1	6.4	5.8	6.2	6.3	5.2	6.2	7.5	6.8	6.5	5.8	5.6	7.6
Mpped1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mpped2	0.1	0.1	0.1	0.3	0.1	0.4	0.2	0.2	0.1	0.1	0.1	0.1
Mprip	57.8	54.2	46.6	57.3	53.1	59.1	61.1	54.9	59.1	58.3	65.7	59.6
Mpst	13.0	13.9	15.4	8.9	11.7	13.5	10.4	15.8	13.3	13.2	13.3	11.3
Mpv17	30.6	22.7	23.2	30.8	23.9	28.7	27.3	23.7	23.9	27.6	29.4	27.5
Mpv17I1	2.1	2.1	2.5	2.8	2.2	2.3	2.5	2.3	1.8	1.9	2.5	3.0
Mpv17I2	20.6	15.1	12.7	17.3	14.1	18.3	16.1	15.7	18.5	15.6	18.2	16.6
Mpz	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MpzI1	5.5	9.2	9.7	4.7	8.8	7.1	10.4	12.0	11.8	7.8	7.7	7.5
MpzI2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.6	0.3	0.3
MpzI3	3.1	2.0	1.8	2.5	1.2	2.0	2.6	1.5	1.9	2.2	2.0	1.7
Mr1	11.8	10.7	11.6	11.7	8.0	15.3	9.0	9.3	7.9	8.1	11.3	9.7
Mrap	5.0	5.8	8.1	4.5	4.4	6.3	4.4	4.8	3.1	3.8	3.9	5.2
Mras	13.4	10.1	9.1	12.6	8.0	12.2	11.7	8.9	9.7	15.2	16.3	12.6
Mrc1	0.4	0.1	0.1	1.8	0.8	0.0	0.1	0.2	0.1	0.0	0.1	0.1
Mrc2	52.3	55.2	48.2	56.7	63.5	64.1	81.3	50.7	82.1	52.8	47.9	65.7
Mre11a	6.9	7.4	7.2	7.4	7.6	7.0	8.1	6.5	6.5	6.7	8.2	6.3
Mreg	1.0	1.0	1.2	0.8	1.3	0.6	0.6	0.2	0.3	0.3	0.2	0.3
Mrfap1	154.2	138.4	148.9	142.0	139.5	151.0	149.4	154.5	148.4	172.1	156.0	169.7
Mrgbp	7.0	5.8	6.0	5.9	5.1	5.9	6.8	6.5	4.6	5.1	5.5	6.1
Mrgpre	2.5	1.8	1.4	5.0	2.8	4.1	3.0	1.6	2.0	1.5	1.8	2.0
Mrgprf	5.8	8.7	10.3	4.3	5.9	3.3	9.6	16.6	11.8	5.5	9.1	6.4
Mri1	8.5	6.3	5.5	7.7	6.3	6.5	5.8	5.4	4.7	5.4	5.6	5.3
Mrm1	4.4	3.9	3.5	4.5	3.3	3.6	4.0	4.0	4.2	2.9	3.6	3.9
Mro	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0
Mroh1	21.1	14.2	9.8	22.9	17.2	23.6	12.6	11.0	12.1	15.4	13.2	12.7

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Mroh2a	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Mroh8	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Mrp63	10.6	8.5	7.4	9.6	8.7	8.2	7.5	7.7	8.2	9.1	9.4	7.8
Mrpl1	6.3	5.5	4.9	7.3	4.7	6.0	3.9	4.1	3.8	5.6	4.6	4.5
Mrpl10	23.4	23.7	20.7	23.5	21.2	25.7	20.5	22.3	22.0	21.8	23.7	19.1
Mrpl11	6.3	5.3	5.6	6.3	4.7	6.4	4.5	5.4	5.5	5.9	5.2	5.8
Mrpl12	30.3	29.3	23.6	28.3	28.6	31.7	31.7	28.7	26.2	32.6	30.2	28.4
Mrpl13	69.5	61.8	53.2	69.8	57.8	69.3	57.8	51.6	49.0	53.9	56.0	56.5
Mrpl14	15.6	17.0	15.6	16.7	19.1	18.4	14.2	14.2	16.8	19.9	14.8	18.4
Mrpl15	9.5	8.9	8.5	9.9	8.5	9.6	8.3	9.7	8.7	8.8	9.4	8.6
Mrpl16	10.3	10.5	9.6	10.0	10.3	13.2	9.8	10.2	9.5	12.0	9.9	10.3
Mrpl17	5.5	4.6	4.2	4.3	4.3	4.5	4.0	4.4	3.9	5.2	4.5	4.6
Mrpl18	38.7	37.6	39.9	36.4	36.0	42.9	38.1	31.2	34.1	39.3	40.0	41.0
Mrpl19	3.9	3.4	3.0	4.0	3.4	3.5	3.6	3.1	3.0	3.5	3.4	3.3
Mrpl2	21.4	19.7	17.7	26.1	16.6	21.6	20.4	18.4	18.2	18.8	18.2	18.1
Mrpl20	61.3	59.3	51.1	64.9	63.5	59.4	61.4	56.8	67.7	62.0	60.6	57.5
Mrpl21	14.0	13.4	12.6	13.6	11.2	15.7	12.2	12.2	12.2	13.7	14.7	12.5
Mrpl22	17.6	18.7	17.5	19.9	16.7	21.4	14.9	14.7	15.0	18.5	17.0	16.8
Mrpl23	33.6	29.7	29.4	38.2	33.0	44.7	32.9	37.8	33.0	33.4	34.3	35.0
Mrpl24	33.0	28.8	30.3	33.6	26.3	37.7	30.0	33.1	28.6	34.0	32.8	35.9
Mrpl27	34.6	28.2	25.5	34.4	28.1	28.9	28.1	26.1	25.2	28.8	28.7	31.0
Mrpl28	26.7	26.6	19.7	29.8	24.3	27.5	23.5	23.6	23.5	26.9	22.1	19.4
Mrpl3	15.9	12.1	13.9	15.4	14.3	13.4	13.5	15.9	14.9	15.2	16.7	15.3
Mrpl30	66.6	58.2	49.9	56.6	48.2	61.9	38.3	52.4	43.8	55.1	53.3	49.0
Mrpl32	30.2	29.4	34.9	33.8	27.5	31.6	33.4	31.8	25.7	27.8	37.5	36.1
Mrpl33	164.2	122.8	85.9	138.4	123.0	140.0	103.2	103.2	116.5	104.3	120.8	115.9
Mrpl34	30.0	23.4	25.2	29.0	26.8	32.7	26.8	28.4	26.0	32.9	26.1	27.1
Mrpl35	5.8	4.5	3.7	6.2	4.5	5.6	4.1	4.2	3.6	4.5	4.9	4.0
Mrpl36	22.2	19.9	16.7	25.6	23.5	22.8	20.1	20.5	23.9	27.2	22.8	21.2
Mrpl37	13.8	13.0	11.7	11.0	12.2	11.5	12.1	12.9	12.3	10.2	10.9	11.0
Mrpl38	15.1	13.5	12.3	15.6	12.9	17.7	13.4	11.9	10.7	15.4	15.3	11.7
Mrpl39	18.7	17.1	17.0	18.8	15.4	17.5	15.5	15.9	13.9	16.4	16.9	17.8
Mrpl4	16.8	17.7	17.3	21.8	17.8	18.7	16.7	18.5	16.1	17.5	14.7	14.7
Mrpl40	16.5	15.3	15.6	19.1	16.0	16.1	13.9	15.5	14.8	13.2	13.4	14.6
Mrpl41	7.7	7.0	6.6	10.6	5.9	9.1	7.1	7.0	5.7	6.9	8.3	7.9
Mrpl42	60.6	45.9	51.9	75.5	48.2	69.5	48.5	52.6	42.5	49.3	54.9	51.2
Mrpl43	22.8	21.5	21.5	23.1	22.0	23.7	20.8	23.7	22.1	20.6	23.8	23.5
Mrpl44	12.4	13.7	12.3	11.9	11.9	11.5	10.6	11.3	11.9	11.8	11.8	10.3
Mrpl45	9.2	7.9	8.2	8.4	8.4	9.3	8.4	8.6	8.7	9.6	8.5	9.2
Mrpl46	7.8	9.3	10.2	9.5	8.6	8.6	7.5	10.6	8.7	9.5	9.1	7.9
Mrpl47	10.9	10.6	5.7	9.8	8.4	11.4	7.9	6.9	8.4	9.6	10.1	9.0
Mrpl48	30.6	24.1	22.1	31.8	24.3	25.6	27.2	27.9	24.8	31.1	32.0	29.7
Mrpl49	14.1	12.2	12.7	14.8	12.1	13.1	14.0	13.1	13.6	14.7	15.1	12.9
Mrpl50	8.5	8.8	8.5	9.4	9.3	9.0	8.6	8.6	9.5	9.9	10.3	9.4
Mrpl51	32.8	28.1	28.3	35.4	26.4	35.1	33.3	27.0	26.4	27.6	30.2	33.5
Mrpl52	105.2	83.3	69.7	96.4	99.6	98.5	95.0	83.6	92.5	106.5	100.0	83.3
Mrpl53	42.8	39.0	33.3	40.9	37.1	32.9	36.3	37.1	37.9	42.7	40.3	38.1
Mrpl54	67.6	52.1	46.4	59.0	52.1	54.7	69.8	69.0	58.5	68.4	72.3	67.4
Mrpl55	16.3	13.6	10.9	16.3	12.5	16.9	11.5	12.1	11.3	11.1	9.6	10.2
Mrpl9	17.7	12.9	11.3	14.2	13.0	16.7	13.7	12.8	13.0	15.9	16.2	15.5
Mrps10	21.8	18.7	17.4	23.9	17.3	21.5	17.4	15.4	14.4	17.1	17.7	16.0
Mrps11	8.7	7.9	7.9	8.3	8.6	7.4	6.3	9.6	7.7	8.6	8.2	7.9
Mrps12	58.2	58.5	47.7	58.5	58.3	47.8	62.1	66.8	61.0	70.1	64.8	57.4
Mrps14	14.2	12.5	9.2	10.7	11.7	12.0	8.8	9.5	11.2	15.1	9.9	10.7
Mrps15	25.2	23.8	24.2	27.2	21.8	28.8	26.4	29.5	23.9	25.8	31.9	24.3
Mrps16	45.7	40.5	43.1	39.0	43.7	41.4	42.4	43.0	46.1	43.6	40.5	41.0
Mrps17	18.2	17.8	15.5	17.4	15.5	16.3	15.5	17.7	17.5	18.8	17.4	17.0

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Mrps18a	24.1	18.5	17.7	25.7	19.4	28.4	18.1	17.6	19.9	21.0	17.9	17.7
Mrps18b	21.8	18.1	15.5	26.9	17.7	20.1	17.1	18.3	14.7	17.6	20.3	17.0
Mrps18c	43.1	39.7	33.2	41.3	37.7	39.3	25.8	34.7	35.6	42.4	35.2	34.7
Mrps2	9.0	8.3	8.2	11.3	9.0	9.6	9.3	8.5	7.0	7.7	8.3	8.4
Mrps21	153.3	146.5	145.7	157.5	136.0	176.7	147.3	161.9	129.0	149.9	154.7	156.1
Mrps22	12.4	13.6	10.8	14.7	10.4	10.7	11.6	10.7	10.5	11.1	11.7	10.1
Mrps23	25.5	22.6	23.3	26.3	25.3	26.2	27.0	21.1	21.0	25.1	28.4	23.5
Mrps24	22.1	19.9	17.6	15.0	17.2	19.2	17.7	20.3	20.3	22.0	17.2	19.2
Mrps25	6.7	6.3	5.9	7.3	6.2	6.5	5.7	6.2	6.6	6.4	6.8	6.7
Mrps26	20.4	18.7	16.6	17.9	17.3	18.0	17.5	17.3	18.4	20.4	17.8	16.8
Mrps27	6.8	6.5	6.9	6.9	6.4	7.6	7.2	7.2	5.4	6.7	6.5	5.7
Mrps28	17.8	16.5	14.2	19.6	17.6	15.0	18.2	19.1	18.2	17.9	17.7	16.7
Mrps30	14.3	13.0	12.0	11.2	10.2	12.1	13.9	12.2	12.4	13.2	11.6	12.6
Mrps31	8.8	9.9	10.2	9.1	8.3	8.9	9.0	8.4	7.9	8.1	9.7	9.2
Mrps33	33.6	25.7	23.8	34.0	29.0	34.2	28.6	27.6	24.5	26.8	30.5	29.6
Mrps34	20.1	19.0	19.2	20.0	16.8	22.4	19.9	21.6	17.0	25.6	18.2	20.1
Mrps35	11.1	10.3	10.7	10.5	8.7	10.2	10.0	11.3	8.1	9.4	12.0	10.6
Mrps36	22.2	20.7	19.1	25.9	21.9	29.3	22.7	26.9	24.7	23.5	28.1	25.0
Mrps5	13.5	13.4	14.0	17.6	11.5	14.8	14.1	13.5	10.2	11.4	13.1	12.8
Mrps6	37.1	37.4	38.3	35.7	31.5	39.5	28.8	38.9	26.9	30.8	32.4	28.2
Mrps7	23.2	18.7	18.8	22.9	21.0	22.2	20.9	19.2	20.7	27.6	24.9	21.2
Mrps9	16.9	14.4	13.1	17.6	11.6	18.1	12.8	12.4	11.3	13.6	14.0	13.4
Mrrf	14.1	12.2	9.6	14.4	11.1	12.7	11.4	11.1	10.3	13.8	15.1	13.6
Mrs2	10.0	7.7	7.9	8.1	8.5	7.7	8.4	7.5	7.8	6.9	7.0	7.4
Mrto4	24.1	18.7	14.4	23.9	22.4	23.6	20.1	18.4	16.5	22.2	21.8	17.6
Mrvi1	1.5	1.2	1.0	3.1	2.3	2.1	1.8	0.6	1.3	2.3	2.2	1.3
Ms4a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Ms4a4b	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0
Ms4a4c	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Ms4a4d	17.5	24.8	40.1	18.9	33.7	7.4	39.0	40.7	34.8	15.4	21.1	28.3
Ms4a6b	0.3	0.0	0.0	2.1	3.2	0.1	0.6	0.2	0.2	0.3	0.0	0.1
Ms4a6c	0.8	0.1	0.1	4.2	6.0	0.3	2.0	0.5	0.5	0.7	0.3	0.6
Ms4a6d	2.3	0.2	0.1	16.8	29.4	0.0	3.7	0.9	0.7	1.8	0.9	1.5
Ms4a7	5.0	0.0	0.3	45.9	68.4	0.0	6.9	1.1	0.9	4.9	1.6	2.6
Msantd1	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.2
Msantd2	2.5	2.6	3.2	1.8	2.1	2.2	2.4	2.2	2.2	1.9	1.7	2.2
Msantd3	10.0	9.3	8.8	13.8	8.6	11.1	12.5	8.7	7.9	7.8	10.5	8.5
Msantd4	29.8	27.2	25.6	32.2	25.4	29.5	28.3	22.6	26.0	28.5	32.5	31.8
Msc	0.3	0.4	0.7	0.3	0.8	0.2	0.4	1.0	1.0	0.1	0.3	0.4
Msh2	3.7	4.5	5.5	3.5	3.9	4.2	3.5	4.7	3.7	3.9	4.5	4.0
Msh3	1.9	1.6	1.7	1.9	1.6	1.8	1.4	1.6	1.2	1.9	1.6	1.6
Msh4	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0
Msh5	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Msh6	11.9	13.3	14.8	7.7	11.4	11.0	11.7	10.5	10.0	14.1	12.7	11.9
Msi1	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.4	0.4	0.5	0.3
Msi2	21.8	19.9	21.9	26.5	21.8	22.1	21.7	16.1	19.1	17.8	22.4	24.4
Msl1	11.4	13.6	13.9	12.1	11.9	12.1	11.0	12.0	11.6	10.3	11.6	11.7
Msl2	2.4	2.8	3.8	3.0	3.1	2.7	3.0	2.6	2.9	3.6	3.3	3.4
Msl3	16.2	16.0	14.9	15.8	15.0	13.2	14.9	15.3	13.3	15.9	16.9	16.4
Msl3l2	1.4	1.5	1.9	1.0	1.5	1.3	1.2	1.5	1.6	1.5	1.6	1.4
Msln	8.4	0.9	0.2	0.7	0.2	0.5	0.3	1.8	0.9	23.3	13.3	4.3
Mslnl	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Msmmp	3.2	3.6	2.5	3.3	3.7	4.1	4.3	2.8	3.2	3.1	3.7	2.0
Msn	114.2	95.2	78.5	172.0	165.6	138.0	115.3	87.2	81.3	103.1	115.2	100.3
Msr1	2.6	0.1	0.2	19.1	29.7	0.1	2.2	0.7	0.5	1.1	0.7	1.5
Msr4	3.4	2.0	2.3	4.2	5.0	3.1	3.4	3.5	2.6	2.9	3.6	2.6
Msrbl1	41.0	35.3	36.9	49.2	54.0	31.9	53.4	52.9	55.3	48.9	64.6	47.0

Online Table 1

Msrb2	17.4	12.3	12.1	18.1	13.1	12.0	15.1	12.4	12.2	10.7	13.8	15.0
Msrb3	60.7	51.8	52.0	64.2	55.5	52.9	68.1	49.1	62.2	62.1	76.1	69.7
Mss51	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.3	0.2	0.2	0.1
Mst1	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.1	0.2	0.1
Mst1r	6.8	9.7	8.5	5.3	6.4	5.4	7.0	7.6	6.8	8.6	7.2	7.0
Msto1	13.1	11.3	12.5	15.8	12.6	12.8	14.2	14.0	13.0	13.4	15.3	12.1
Msx1	1.2	1.1	0.9	0.8	0.7	0.9	0.8	0.8	0.7	0.9	0.7	0.7
Msx1as	1.7	1.5	1.8	1.6	1.0	1.4	1.6	1.4	1.1	1.3	1.2	1.3
Msx2	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Mt1	301.6	237.2	232.8	294.0	235.8	383.9	208.3	280.6	201.4	439.3	297.6	384.5
Mt2	155.9	117.9	105.7	155.7	138.8	211.3	112.8	140.0	89.8	202.2	137.1	157.3
Mt3	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.2	0.0	0.0
Mta1	14.4	17.1	15.0	14.1	12.0	19.5	14.1	14.8	12.2	11.1	14.7	10.9
Mta2	27.9	28.4	30.4	26.2	28.4	27.2	32.3	30.0	30.5	30.2	32.2	30.8
Mta3	17.4	17.8	19.7	17.8	13.9	19.2	19.7	19.7	15.1	12.3	16.9	17.9
Mtag2	0.1	0.2	0.2	0.3	0.0	0.2	0.1	0.1	0.2	0.1	0.1	0.1
Mtap	31.3	23.7	19.3	33.1	23.2	35.3	26.8	21.2	24.1	31.6	31.1	29.3
Mtap7d3	1.1	1.5	1.9	1.4	1.2	1.8	1.1	1.4	1.2	0.9	1.2	0.8
Mtbp	1.9	2.1	3.1	1.7	2.4	1.5	3.0	3.2	2.7	1.9	2.9	2.3
Mtch1	76.6	65.4	74.0	70.0	70.4	61.6	81.1	102.0	89.8	82.4	77.8	88.9
Mtch2	47.8	43.1	37.0	42.6	38.2	38.8	36.8	44.2	42.4	41.9	45.4	43.0
Mtcp1	3.8	4.9	2.9	2.2	3.4	4.4	4.5	4.6	3.5	3.3	4.0	3.5
Mtdh	31.0	25.7	28.6	33.9	25.0	30.6	29.3	29.8	25.1	27.3	34.0	33.5
Mterf	1.9	1.6	1.7	2.2	1.6	2.3	2.0	1.6	2.0	2.6	2.5	1.5
Mterfd1	7.6	7.9	8.5	7.3	8.3	8.5	7.8	9.6	8.5	9.4	10.9	9.2
Mterfd2	3.6	3.8	3.7	3.5	3.2	3.4	4.0	4.2	3.9	4.8	5.2	4.5
Mterfd3	4.7	4.4	5.1	4.0	3.6	4.4	4.6	4.5	4.3	4.1	4.8	4.9
Mtf1	3.1	3.6	3.4	3.4	3.8	3.1	4.0	3.1	3.2	3.1	3.4	3.2
Mtf2	2.5	3.2	3.5	2.4	3.2	2.2	3.1	3.2	2.7	3.2	2.8	2.9
Mtfmt	5.0	4.4	4.3	4.2	3.8	4.4	4.4	4.2	4.2	4.7	5.1	4.8
Mtfp1	0.3	0.6	0.3	0.3	0.4	0.4	0.3	0.5	0.3	0.2	0.4	0.3
Mtfr1	18.3	17.9	13.8	17.9	13.5	17.0	15.3	13.8	16.2	15.5	19.8	16.1
Mtfr11	44.0	37.9	30.9	46.4	36.8	44.7	30.9	31.8	33.1	36.3	32.8	33.8
Mtfr2	0.3	0.6	0.6	0.1	1.1	0.3	0.9	0.4	0.5	0.5	0.5	0.4
Mtg1	4.4	3.9	2.8	5.4	3.3	4.2	3.6	3.8	4.1	3.6	4.2	3.3
Mthfd1	23.0	19.9	19.4	17.4	18.1	18.5	19.3	16.9	16.3	22.3	20.5	20.9
Mthfd11	5.5	3.9	3.7	5.0	4.8	5.3	5.6	5.8	4.3	3.3	4.7	3.3
Mthfd2	25.7	18.3	14.4	25.2	21.5	25.7	22.7	30.1	28.9	16.3	27.9	15.6
Mthfd21	2.7	2.2	2.7	4.5	3.0	3.3	3.3	2.5	2.7	2.6	2.6	3.6
Mthfr	12.9	12.4	11.2	12.1	12.8	12.0	13.3	12.0	14.3	14.7	12.3	11.7
Mthfs	7.1	7.6	6.8	6.6	8.0	6.9	6.5	7.1	7.9	6.3	6.6	7.7
Mthfsd	7.0	7.0	7.2	9.6	6.6	7.4	6.8	8.4	8.5	8.0	8.7	6.6
Mtif2	10.4	9.5	8.0	9.3	8.4	9.5	8.3	8.5	7.9	9.2	9.6	9.7
Mtif3	3.8	3.2	3.5	4.1	3.2	4.4	3.0	3.3	2.9	3.6	4.0	3.7
Mtl5	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2
Mtm1	3.8	3.9	3.1	3.6	3.3	5.3	2.5	3.1	3.6	3.3	3.2	3.6
Mtmr1	5.6	5.2	5.5	5.4	4.7	5.2	4.5	3.9	4.7	4.5	5.2	5.0
Mtmr10	7.5	6.2	5.1	8.9	6.3	7.3	6.7	5.2	5.1	6.7	6.3	6.4
Mtmr11	7.8	8.7	8.5	7.8	7.0	10.1	8.7	6.5	7.6	6.9	6.7	6.3
Mtmr12	5.6	5.9	5.6	4.7	5.1	5.4	5.9	5.9	5.3	5.1	6.0	5.9
Mtmr14	5.6	4.9	4.5	5.2	6.3	3.7	5.9	5.2	5.9	5.6	5.0	5.1
Mtmr2	34.9	29.5	28.7	34.3	27.5	34.6	32.3	27.4	28.0	26.5	33.3	30.6
Mtmr3	15.0	17.8	16.1	14.7	15.0	16.4	14.4	15.1	16.8	14.6	14.4	14.6
Mtmr4	9.0	9.1	8.7	8.0	8.3	8.8	8.8	8.9	9.9	9.0	8.8	8.2
Mtmr6	28.2	29.6	28.0	31.5	29.0	29.1	27.7	24.5	30.0	28.9	31.5	32.8
Mtmr7	0.7	0.8	0.9	0.9	0.8	1.0	0.7	0.7	0.6	0.9	1.1	1.1
Mtmr9	18.4	15.5	15.4	19.9	14.4	17.1	14.7	16.0	14.4	14.5	15.3	14.8

Online Table 1

Mtnr1a	0.1	0.1	0.1	0.0	0.1	0.0	0.4	0.2	0.4	0.1	0.2	0.2
Mto1	5.0	5.2	4.6	4.3	5.0	5.4	4.3	4.7	4.7	5.5	5.7	4.6
Mtor	7.3	7.4	6.7	6.5	6.5	7.8	6.9	6.7	7.1	6.7	6.9	6.6
Mtpap	7.0	6.7	7.7	7.0	6.8	8.5	7.0	6.8	6.7	6.6	7.5	7.6
Mtpn	66.3	57.5	52.1	84.2	65.2	77.6	56.7	48.1	53.3	56.0	71.0	64.1
Mtr	3.0	3.2	3.5	3.7	3.8	3.4	3.5	3.9	3.5	3.9	3.7	3.7
Mtrf1	3.6	3.4	3.2	3.5	2.5	4.0	3.0	2.8	3.0	3.0	2.9	3.3
Mtrf1l	2.4	3.0	3.5	2.2	2.4	2.2	2.5	3.8	2.9	3.3	2.6	3.3
Mtrr	5.5	4.4	5.0	6.0	5.8	5.0	5.2	4.8	4.5	4.5	5.2	4.4
Mtss1	4.7	5.3	4.6	8.1	6.7	5.1	5.5	3.3	8.1	14.9	10.2	10.1
Mtss1l	2.4	2.9	2.8	3.6	2.8	4.2	2.8	2.5	2.5	1.8	2.5	2.3
Mttp	2.3	2.2	2.6	1.3	1.4	1.7	1.6	2.2	1.5	1.3	1.6	1.8
Mtus1	2.1	2.3	3.4	2.4	2.1	2.1	2.2	3.2	2.2	2.9	3.1	2.5
Mtus2	0.8	0.5	0.6	0.7	0.4	0.8	0.5	0.5	0.4	0.4	0.4	0.6
Mtx1	15.2	14.0	12.0	14.9	12.9	13.4	13.9	14.4	13.5	12.5	13.1	12.8
Mtx2	39.5	36.3	31.5	31.5	30.1	33.0	28.9	29.9	31.0	36.6	32.2	34.9
Mtx3	3.4	3.4	3.0	3.1	2.6	3.6	2.8	2.7	2.7	2.8	2.8	2.7
Muc1	0.3	0.2	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
Muc13	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Muc15	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Muc19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muc5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muc6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Muc11	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mul1	4.4	4.5	3.7	4.9	4.0	4.3	4.1	3.8	4.2	4.7	4.1	3.3
Mum1	5.8	6.1	5.6	4.8	5.8	6.0	6.6	5.4	6.7	5.8	5.3	5.0
Mum1l1	11.1	8.7	5.6	12.0	5.9	9.9	6.3	3.6	5.2	6.3	8.0	5.9
Murc	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3
Mus81	5.2	4.6	4.4	4.0	5.0	5.3	5.2	4.9	6.1	4.8	5.8	4.9
Musk	0.2	0.3	0.6	0.1	0.2	0.1	0.2	0.3	0.1	0.3	0.0	0.1
Mustn1	15.4	11.0	8.8	15.2	8.4	11.4	12.6	13.6	7.9	11.1	16.0	10.4
Mut	18.2	15.3	15.1	15.9	12.2	16.9	13.8	12.9	13.0	13.7	15.8	14.4
Mutyh	0.6	0.4	0.7	0.8	0.4	0.5	0.4	0.5	0.8	0.5	0.5	0.8
Mvb12a	28.3	22.8	20.7	30.0	21.7	28.1	20.7	23.8	21.1	23.0	20.8	21.3
Mvb12b	6.8	6.2	6.1	7.4	6.2	7.7	6.0	4.7	4.7	4.6	4.9	4.3
Mvd	8.0	12.0	9.2	3.7	6.4	6.0	16.3	19.8	13.9	5.7	14.1	5.4
Mvk	14.1	17.3	15.4	8.0	11.8	10.5	27.4	29.7	26.3	11.8	20.5	12.7
Mvp	83.2	78.9	73.1	101.3	89.7	83.7	88.7	85.7	80.4	64.7	76.5	79.7
Mx1	0.4	0.1	0.1	0.6	0.2	0.2	0.1	0.0	0.1	0.0	0.1	0.4
Mx2	1.3	0.5	1.0	1.7	0.5	1.0	0.2	0.3	0.3	0.2	0.4	1.0
Mxd1	1.3	2.2	2.2	1.5	1.5	1.5	1.7	1.7	2.0	1.8	1.7	1.6
Mxd3	2.9	3.8	4.2	2.6	4.7	2.4	5.6	3.6	5.7	3.3	4.4	3.0
Mxd4	49.3	49.6	50.0	46.0	46.6	44.6	55.2	72.1	61.7	56.2	53.9	50.7
Mxi1	4.6	6.1	5.3	6.0	3.9	7.6	5.3	4.2	3.7	4.1	5.0	4.4
Mxra7	64.4	59.3	67.3	80.4	52.7	84.7	65.8	58.6	50.1	59.0	62.9	71.5
Mxra8	114.1	106.6	120.5	142.7	129.9	151.7	148.9	144.0	152.3	158.9	128.5	148.5
Myadm	63.0	53.6	50.8	74.4	71.7	62.1	93.8	74.1	67.9	39.7	65.6	49.1
Myb	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Mybbp1a	23.4	20.1	17.8	26.6	21.7	24.2	22.3	19.7	17.1	22.5	21.3	20.0
Mybl1	4.0	5.4	6.3	2.9	5.5	2.9	4.7	1.8	3.5	4.4	5.0	4.2
Mybl2	0.4	0.8	1.2	0.2	1.0	0.2	1.4	0.7	0.9	0.7	1.0	0.4
Mybpc2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mybpc3	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mybph	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myc	4.9	5.1	3.8	7.8	7.0	7.6	7.2	5.5	4.7	4.8	5.7	4.6
Mycbp	8.7	10.2	9.0	11.5	10.1	10.2	9.4	8.9	10.3	10.8	12.7	11.3

Online Table 1

Mycbp2	19.1	29.5	29.0	20.1	24.4	15.6	23.7	21.6	20.4	15.9	18.1	18.2
Mycbpap	0.7	1.3	0.9	0.5	0.5	0.9	0.6	0.6	0.5	0.3	0.5	0.3
Mycl1	0.2	0.0	0.0	0.3	0.2	0.1	0.1	0.2	0.2	0.5	0.5	0.1
Mycn	3.6	5.4	4.9	1.3	3.2	2.0	4.4	4.0	2.7	6.3	5.4	2.4
Myct1	0.6	0.1	0.3	0.1	0.1	0.2	0.3	0.4	0.2	0.1	0.1	0.1
Myd88	9.4	9.6	11.6	10.2	12.7	7.6	9.7	11.3	9.7	12.6	8.9	11.3
Myef2	9.3	11.0	13.5	9.9	10.2	9.4	14.2	11.0	11.4	11.8	13.9	14.1
Myeov2	245.5	185.6	145.4	200.0	178.4	211.2	175.9	168.0	174.2	190.1	198.5	196.0
Myg1	8.4	8.7	7.9	8.9	7.6	8.5	9.4	10.0	9.3	8.7	9.5	8.4
Myh1	1.9	1.0	0.7	0.8	0.3	0.2	0.4	0.5	0.5	0.7	0.9	0.6
Myh10	15.2	12.1	15.2	11.9	12.8	14.5	13.5	11.7	13.6	22.6	21.5	18.3
Myh11	2.0	0.5	0.2	2.4	1.0	1.6	1.9	1.0	1.6	4.4	5.9	2.5
Myh13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myh14	0.6	0.5	0.4	0.2	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.2
Myh15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myh2	1.2	0.6	0.5	1.1	0.2	0.4	0.1	0.3	0.1	0.4	0.4	0.3
Myh3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myh4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myh6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myh7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myh8	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Myh9	212.9	179.8	196.2	214.5	250.8	195.2	278.3	233.7	236.7	251.6	277.7	285.9
Myl1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2
Myl10	0.2	0.0	0.1	0.0	0.1	0.2	0.3	0.1	0.3	0.2	0.1	0.3
Myl12a	342.0	252.3	203.2	392.1	252.2	302.3	292.0	206.6	252.1	273.7	297.9	286.6
Myl12b	207.7	166.1	186.3	262.7	156.3	236.2	162.6	170.4	140.5	142.5	164.4	171.9
Myl2	0.2	0.2	0.1	0.0	0.1	0.3	0.0	0.1	0.1	0.0	0.5	0.1
Myl3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Myl4	10.9	11.9	8.2	8.9	6.4	4.4	13.5	14.9	16.3	6.1	10.1	8.5
Myl6	998.0	795.3	815.5	1104.1	880.7	860.2	1041.0	1017.1	1033.6	940.7	1310.1	1087.9
Myl6b	0.6	0.5	0.5	0.6	0.8	1.1	0.9	0.7	0.8	0.4	0.6	0.6
Myl7	0.4	0.1	0.3	0.0	0.1	0.0	0.0	0.2	0.0	0.2	0.5	0.1
Myl9	75.9	47.0	45.9	96.6	96.8	50.7	173.7	72.3	147.7	140.8	241.3	156.5
Mylip	6.9	8.5	10.3	9.3	10.6	5.9	7.4	7.6	8.4	8.2	7.1	8.6
Mylk	0.8	0.6	1.3	0.7	1.3	0.6	1.3	1.4	2.2	3.9	3.3	3.4
Mylk2	0.3	0.2	0.2	0.0	0.1	0.2	0.2	0.2	0.1	0.3	0.2	0.2
Mylk3	0.7	0.4	0.3	0.3	0.6	0.3	0.3	0.1	0.4	1.6	0.7	0.6
Mylpf	1.3	1.0	1.1	0.8	1.1	1.3	0.8	0.7	0.9	0.6	0.6	1.2
Mynn	4.7	4.8	4.7	4.1	4.6	5.2	3.8	4.5	4.3	4.7	4.7	5.5
Myo10	21.9	33.5	38.6	26.4	29.1	24.5	29.5	23.0	25.6	24.6	23.1	34.8
Myo15	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myo16	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myo18a	8.1	5.8	6.0	8.1	7.4	7.0	7.0	5.5	5.9	7.5	8.4	7.8
Myo18b	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0
Myo19	2.1	2.5	2.6	2.2	2.6	1.9	3.3	3.0	2.9	2.0	3.2	2.1
Myo1a	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Myo1b	13.7	19.8	16.8	15.7	21.5	18.3	21.4	14.9	20.4	17.6	21.1	16.2
Myo1c	134.2	111.3	86.0	135.7	95.0	120.8	120.5	112.6	108.6	113.0	129.2	105.9
Myo1d	11.5	11.5	11.4	9.5	11.1	9.8	13.0	10.4	12.1	12.2	12.2	13.4
Myo1e	5.6	3.5	3.9	8.3	11.7	5.0	7.4	5.0	5.0	5.9	6.9	5.9
Myo1f	1.4	0.0	0.0	15.1	21.3	0.0	2.0	0.2	0.3	1.4	0.3	0.9
Myo1g	0.3	0.0	0.0	2.4	6.0	0.0	0.7	0.1	0.2	0.5	0.2	0.2
Myo1h	0.5	0.4	0.5	0.6	0.4	0.3	0.5	0.6	0.2	0.4	0.4	0.6
Myo3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myo5a	15.4	11.4	9.4	17.7	15.3	16.1	10.2	8.6	7.3	9.8	11.7	10.6
Myo5b	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.4	2.4	0.6	0.5
Myo5c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Myo6	10.2	8.7	7.6	11.5	7.8	11.9	7.3	6.2	6.4	7.3	8.2	8.7
Myo7a	10.3	12.9	14.9	10.6	14.4	8.4	12.2	13.2	13.7	8.7	7.9	11.7
Myo9a	4.5	4.9	5.0	3.8	4.2	3.9	4.9	6.0	5.0	4.3	5.7	5.2
Myo9b	16.2	17.5	17.0	17.3	19.0	16.3	20.1	17.0	18.8	16.8	17.4	18.0
Myoc	0.0	0.1	0.6	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Myocd	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Myof	35.8	35.4	39.8	37.5	44.5	31.9	47.2	40.5	43.6	42.4	45.3	49.2
Myom1	0.7	0.4	0.4	0.3	0.4	0.5	0.4	0.3	0.6	0.4	0.7	0.5
Myom2	0.6	0.1	0.1	0.4	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Myom3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myot	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myoz1	0.1	0.1	0.1	0.2	0.3	0.0	0.1	0.1	0.1	0.2	0.0	0.0
Myoz2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Myoz3	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Mypn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mypop	1.4	2.0	1.8	1.5	1.6	1.6	1.8	2.7	1.8	1.6	1.6	1.6
Myrf	6.9	7.8	6.9	5.7	5.6	4.8	8.8	8.0	6.8	8.6	7.9	5.8
Myrfl	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Myrip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mysm1	3.9	4.2	4.1	4.1	4.0	4.2	3.3	3.5	3.4	3.5	4.5	4.3
Myt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myt1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myzap	0.9	0.9	1.0	0.4	0.6	0.9	0.7	0.8	0.6	0.4	0.3	0.5
Mzf1	0.3	0.2	0.3	0.2	0.3	0.4	0.2	0.4	0.2	0.2	0.1	0.1
Mzt1	12.7	11.9	14.8	15.7	12.9	14.9	14.8	12.8	14.2	13.9	17.6	17.3
Mzt2	7.3	7.3	6.4	8.3	6.5	8.3	5.2	9.2	8.4	8.3	8.6	5.7
N28178	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0
N4bp1	7.8	9.0	8.5	7.2	7.7	8.2	7.8	7.1	7.5	8.2	8.0	8.1
N4bp2	1.3	1.6	1.8	1.4	1.6	1.1	1.3	2.3	1.7	1.7	1.6	1.8
N4bp2l1	2.0	2.0	2.3	1.6	1.6	1.6	1.6	1.6	1.4	1.8	1.7	2.3
N4bp2l2	8.0	7.3	6.8	7.2	7.0	7.1	6.5	6.3	6.4	7.8	7.8	7.5
N4bp3	0.6	0.3	0.7	0.3	0.6	0.3	0.9	1.0	0.8	0.5	0.4	0.3
N6am1	4.9	4.2	3.5	4.9	3.9	3.8	5.2	4.3	4.2	4.5	4.5	4.9
N6am2	18.6	17.6	16.5	18.3	16.2	17.7	17.0	20.2	16.9	17.3	18.4	13.1
Naa10	9.0	8.8	8.8	8.2	8.2	7.1	9.0	10.2	10.4	11.6	9.9	7.9
Naa15	5.4	6.8	6.1	6.6	7.6	5.7	6.8	6.9	5.7	7.3	7.3	7.2
Naa16	1.2	2.0	2.1	1.4	1.7	1.3	1.7	1.5	1.4	1.8	1.9	1.5
Naa20	26.3	25.4	23.9	26.2	23.7	24.3	26.7	24.1	24.6	29.3	28.5	30.0
Naa25	11.6	11.0	9.1	12.4	10.6	10.3	11.8	11.3	10.5	11.0	12.2	10.3
Naa30	3.3	4.1	4.7	3.7	4.1	4.5	3.4	4.3	4.1	4.9	4.8	4.9
Naa35	8.3	7.6	7.6	7.1	6.1	6.2	6.5	6.3	6.8	8.2	8.0	8.1
Naa38	16.6	16.7	16.9	16.8	16.3	15.9	17.7	14.5	18.2	18.7	18.7	16.3
Naa40	5.0	5.9	5.5	4.2	5.4	4.3	4.4	3.9	4.7	4.9	4.5	3.9
Naa50	8.6	9.3	11.1	13.3	12.4	12.5	10.7	11.3	9.8	11.2	13.6	11.3
Naa60	14.0	15.4	18.2	16.7	17.0	15.9	15.8	17.5	14.7	12.3	15.0	15.3
Naaa	6.1	4.6	4.6	4.8	4.4	6.6	4.2	5.9	3.9	4.3	5.6	4.0
Naalad2	31.5	33.5	37.4	30.7	34.4	41.0	32.1	35.5	34.9	25.3	28.7	32.8
Naaladl1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Nab1	20.8	21.4	23.3	24.9	21.7	20.8	22.6	20.7	18.9	18.7	24.4	23.3
Nab2	9.8	12.3	11.2	8.0	10.0	8.9	11.9	13.9	15.5	17.8	13.4	11.4
Nabp1	5.0	4.2	5.5	4.9	7.1	4.7	4.5	3.8	4.6	4.8	5.4	7.0
Nabp2	16.5	13.3	14.8	18.9	11.6	17.8	14.0	14.5	11.9	10.8	15.6	13.1
Naca	291.5	236.7	232.2	251.7	224.0	256.0	233.8	254.9	245.4	287.0	311.0	286.2
Nacad	1.0	1.6	1.4	1.6	1.1	1.6	2.1	1.5	1.7	1.1	1.6	1.2
Nacc1	10.9	11.6	11.5	11.9	11.4	13.0	13.1	11.5	11.3	10.5	11.9	10.1
Nacc2	15.8	14.4	11.0	18.6	14.8	17.1	16.9	12.2	14.7	18.5	16.6	15.3
Nadk	59.4	49.3	46.6	56.5	61.1	45.1	64.6	53.2	48.9	45.6	55.9	46.9

Online Table 1

Nadkd1	3.8	4.6	5.1	4.3	3.9	6.6	3.8	5.2	4.4	4.4	4.6	4.6
Nadsyn1	1.7	1.4	1.4	1.6	1.2	1.9	1.4	1.3	1.3	1.3	1.0	1.6
Nae1	26.2	28.4	22.6	25.6	23.4	28.0	24.2	21.1	28.1	24.8	28.6	27.7
Naf1	1.8	2.4	2.0	1.4	1.5	1.5	1.9	1.5	1.6	2.2	1.4	1.5
Naga	16.4	13.9	16.6	19.2	16.0	25.0	12.1	16.7	13.6	13.6	11.8	14.8
Nagk	31.9	24.0	23.9	37.8	29.4	32.2	28.7	26.2	30.8	28.5	32.1	28.8
Naglu	15.4	12.5	11.8	20.5	13.7	22.0	9.9	10.8	12.3	13.9	9.8	12.3
Nagpa	8.0	6.3	5.9	10.5	10.4	10.3	7.0	7.1	6.5	8.1	6.0	7.5
Naif1	1.6	1.4	1.1	1.3	1.4	1.2	1.6	1.5	1.3	1.3	1.3	1.4
Naip1	0.1	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Naip2	1.8	0.8	0.5	3.2	4.9	0.8	1.1	0.5	0.4	0.5	0.5	0.6
Naip5	0.1	0.1	0.0	0.4	0.8	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Naip6	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Naip7	0.1	0.1	0.0	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Nalcn	0.2	0.1	0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
Nampt	10.6	9.8	9.5	12.1	8.6	11.5	6.4	7.7	6.2	6.5	8.1	7.9
Nanog	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1
Nanos1	1.5	2.3	2.1	1.5	3.4	1.6	2.5	1.5	1.9	2.3	2.4	1.9
Nanp	7.0	7.4	7.7	7.0	6.5	6.7	5.7	8.1	6.5	7.9	7.0	6.9
Nans	25.3	21.9	20.3	25.4	26.1	23.8	25.3	19.2	19.8	19.8	24.1	21.1
Nap111	180.5	154.6	155.0	204.5	171.6	177.1	200.1	146.0	136.2	168.0	198.0	199.9
Nap112	0.4	0.2	0.3	0.6	1.1	0.8	0.7	0.2	0.2	0.3	0.3	0.4
Nap113	2.0	1.7	1.8	1.4	1.0	2.0	1.4	1.4	1.3	1.8	1.6	1.6
Nap114	36.9	35.5	34.4	37.9	32.4	34.4	33.3	32.0	32.7	37.8	36.2	36.4
Nap115	0.1	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.0
Napa	58.7	47.1	37.5	65.7	52.7	64.4	48.5	43.8	41.9	46.2	49.5	44.0
Napb	1.3	1.1	0.8	1.7	1.0	1.5	1.0	0.9	0.8	0.8	1.1	0.9
Napepld	2.0	2.4	3.0	1.8	1.8	1.9	2.3	2.6	2.0	1.8	2.1	2.3
Napg	7.9	8.4	8.5	10.0	10.8	9.4	8.3	7.7	9.2	7.7	9.4	9.3
Naprt1	2.7	3.9	4.2	2.0	2.9	2.8	3.8	5.2	5.3	3.5	3.6	4.0
Napsa	0.0	0.0	0.0	0.4	0.8	0.0	0.1	0.1	0.0	0.1	0.0	0.0
Narf	6.7	6.8	6.1	6.4	5.4	7.1	5.4	6.2	6.6	6.5	6.0	6.8
Narfl	5.5	5.6	3.9	5.7	5.5	5.3	4.1	4.1	4.9	6.3	4.6	4.8
Narg2	3.7	3.3	3.7	3.4	3.6	4.2	3.2	3.0	3.4	3.7	4.0	3.7
Nars	164.7	107.6	89.7	203.8	112.1	161.5	118.6	116.0	101.5	104.4	135.6	112.1
Nars2	2.2	1.7	1.5	1.7	1.6	1.7	1.4	1.1	1.1	1.6	1.4	1.5
Nasp	8.1	8.2	12.3	7.6	10.5	5.8	11.5	11.1	9.7	8.6	11.4	9.6
Nat1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Nat10	6.3	4.3	5.0	6.8	5.1	5.6	5.7	5.4	4.5	4.9	5.2	4.7
Nat14	2.4	2.4	2.2	1.9	1.7	2.9	1.6	1.5	1.2	2.2	1.3	2.0
Nat2	5.0	5.0	5.9	3.7	5.1	4.4	4.8	5.3	6.4	5.8	6.1	7.2
Nat3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nat6	10.6	9.7	9.2	11.9	9.6	12.4	8.8	8.5	7.8	8.0	8.3	8.8
Nat8l	0.2	0.1	0.1	0.1	0.1	0.0	0.4	0.4	0.4	0.6	0.6	0.3
Nat9	24.1	20.0	16.2	24.4	15.6	25.3	14.4	13.1	11.6	15.1	17.1	15.8
Nav1	4.3	8.4	8.7	4.3	6.1	4.6	8.8	9.4	7.9	5.2	7.3	6.7
Nav2	0.4	0.4	0.4	0.6	0.8	0.4	0.5	0.2	0.3	0.4	0.4	0.3
Nav3	0.8	0.8	0.8	0.8	1.1	0.5	1.4	0.7	0.7	0.8	0.8	0.6
Nbas	14.9	13.9	13.0	12.7	12.4	13.4	11.0	15.0	12.7	12.1	13.0	12.6
Nbea	7.7	8.0	7.5	6.2	8.3	6.2	8.4	7.8	8.6	7.9	8.2	8.3
Nbeal1	8.9	9.1	7.9	9.9	8.6	10.3	8.2	7.2	7.9	9.2	10.4	9.2
Nbeal2	0.4	0.2	0.2	1.6	2.9	0.4	0.6	0.2	0.4	0.5	0.3	0.4
Nbl1	19.5	14.5	11.8	22.9	17.3	32.7	25.6	18.9	22.4	37.9	30.8	25.6
Nbn	7.7	7.6	8.3	7.7	8.9	6.6	9.0	8.3	8.9	8.7	10.1	9.7
Nbr1	44.1	43.2	44.2	42.5	42.6	45.8	37.2	40.2	36.7	46.4	43.4	49.1
Ncald	1.6	1.0	0.8	2.7	1.2	1.5	0.8	0.4	0.5	0.7	0.8	0.5
Ncam1	7.1	4.6	6.1	5.3	10.3	6.2	17.2	7.8	19.6	21.1	17.6	22.3

Online Table 1

Ncam2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Ncapd2	2.0	4.4	7.1	1.8	5.4	1.9	7.1	4.4	5.7	2.9	4.4	3.8
Ncapd3	3.2	3.8	5.3	2.7	3.8	2.6	4.5	3.6	3.3	2.9	4.3	2.9
Ncapg	1.4	3.6	5.4	0.7	5.0	0.6	4.3	1.9	4.1	2.4	3.9	2.5
Ncapg2	1.4	2.5	4.1	1.4	3.8	0.7	4.4	2.2	3.0	1.8	2.8	1.8
Ncaph	2.7	4.4	7.6	1.1	6.2	1.2	6.7	4.0	6.1	3.2	4.9	3.4
Ncaph2	18.3	20.6	20.1	18.6	18.0	20.7	19.9	19.1	20.2	18.5	18.4	17.6
Ncbp1	17.0	15.3	15.4	17.8	15.0	15.8	16.3	16.1	13.0	14.3	16.4	15.7
Ncbp2	30.5	30.2	26.8	33.1	33.2	29.5	31.1	29.2	30.1	34.5	34.3	34.2
Ncdn	5.9	5.9	4.6	7.1	6.3	5.8	6.9	6.3	6.6	6.1	5.3	5.5
Nceh1	6.3	4.2	3.3	12.9	10.1	8.2	4.3	3.1	2.9	6.4	5.8	4.2
Ncf1	1.6	0.1	0.1	14.0	24.5	0.0	2.5	0.4	0.5	1.6	0.3	1.1
Ncf2	2.5	0.4	0.4	12.9	25.0	0.5	2.8	0.6	0.5	1.9	0.6	1.7
Ncf4	0.8	0.0	0.1	8.0	13.6	0.0	1.4	0.1	0.4	0.6	0.1	0.6
Nck1	24.8	28.0	28.2	24.7	28.7	20.9	24.1	25.2	24.0	23.6	27.3	28.6
Nck2	11.2	11.0	11.1	10.7	10.2	11.2	11.1	10.1	12.0	11.1	12.2	10.7
Nckap1	96.1	92.6	77.0	92.7	77.6	97.5	79.7	76.1	76.4	81.1	91.0	82.9
Nckap1l	1.7	0.1	0.1	13.2	25.3	0.1	2.9	0.5	0.5	1.6	0.5	1.0
Nckap5	0.3	0.2	0.4	0.2	0.1	0.1	0.1	0.5	0.1	0.3	0.3	0.3
Nckap5l	1.1	1.6	1.3	0.9	1.3	1.0	1.3	1.7	1.9	1.2	1.0	1.0
Nckipsd	1.9	2.1	2.3	2.0	2.0	2.2	2.3	2.7	2.8	2.0	2.2	2.5
Ncl	43.2	31.1	34.0	52.3	35.3	39.7	37.6	30.7	19.1	27.8	34.6	35.7
Ncln	16.3	14.5	11.5	18.2	18.5	13.8	20.1	16.7	19.3	17.6	16.3	12.7
Ncmap	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0
Ncoa1	2.8	3.4	4.3	3.3	2.9	3.3	3.1	4.0	3.0	2.5	2.6	2.9
Ncoa2	6.4	7.9	8.1	6.7	6.3	7.2	6.8	7.2	6.5	4.9	6.7	6.3
Ncoa3	5.5	8.3	8.8	6.2	7.7	5.4	6.7	6.9	7.1	4.7	5.4	6.2
Ncoa4	52.9	48.1	40.1	52.7	46.2	47.2	38.8	37.6	40.1	52.8	51.0	48.4
Ncoa5	6.8	7.3	7.6	7.3	7.2	7.5	7.4	8.5	8.0	8.3	7.8	7.4
Ncoa6	1.6	2.4	2.5	1.9	2.3	1.7	2.7	2.7	2.4	1.9	2.1	1.9
Ncoa7	2.2	3.0	3.2	2.8	3.2	1.9	3.1	2.6	2.5	1.9	2.3	3.1
Ncor1	18.3	19.8	23.4	21.7	19.0	21.9	20.0	22.1	17.7	19.0	22.6	21.7
Ncor2	1.3	2.1	2.0	1.6	2.3	1.7	2.9	2.6	2.5	2.2	2.1	1.9
Ncrna00085	0.9	0.6	0.7	0.3	0.6	0.5	0.7	0.9	0.5	0.4	0.5	1.2
Ncrna00086	0.4	0.3	0.2	0.3	0.4	0.5	0.4	0.2	0.3	0.2	0.2	0.1
Ncs1	15.3	14.8	12.1	13.8	14.3	16.3	17.5	13.3	17.3	12.8	15.0	13.2
Ncstn	40.7	37.6	37.9	41.4	43.3	41.0	37.7	40.3	37.4	33.2	31.1	32.8
Ndc80	2.1	4.8	6.9	0.9	6.7	0.6	7.6	2.4	5.8	2.7	5.8	4.0
Nde1	29.3	31.6	35.0	27.9	30.0	28.0	36.1	33.2	30.1	31.1	35.7	33.6
Ndel1	60.9	54.4	47.8	62.4	49.8	51.9	57.7	49.3	47.3	45.9	55.7	56.7
Ndfip1	143.3	114.3	89.8	121.8	120.3	123.3	112.7	92.3	123.1	141.3	127.7	128.2
Ndfip2	18.2	15.4	11.8	17.1	14.8	15.8	14.7	12.6	16.4	17.2	16.0	16.7
Ndn	48.8	45.0	40.6	54.5	44.3	53.4	53.4	46.0	50.4	46.7	46.7	46.1
Ndnf	0.7	2.1	4.5	0.5	0.9	0.2	2.6	2.7	3.4	1.6	1.5	3.9
Ndnl2	11.6	10.1	11.9	9.4	10.3	11.7	13.4	11.8	11.3	11.9	12.3	11.8
Ndor1	4.1	4.2	3.1	3.9	4.4	4.5	4.0	3.6	3.8	3.5	2.9	2.8
Ndrg1	27.0	23.1	25.6	21.9	24.2	23.9	49.7	96.8	69.6	30.5	40.9	43.4
Ndrg2	7.7	11.9	22.0	8.0	8.9	13.4	5.4	15.3	7.2	6.1	5.2	7.4
Ndrg3	25.2	23.1	21.2	28.3	19.3	28.9	17.1	19.2	16.8	19.9	21.8	20.4
Ndrg4	35.5	32.6	25.6	45.6	31.3	43.8	37.4	35.4	33.6	23.9	37.9	30.2
Ndst1	16.1	18.0	17.3	15.7	16.3	15.7	22.4	18.1	19.6	15.9	17.2	17.2
Ndst2	3.8	4.1	3.8	4.0	4.7	3.9	4.1	4.5	4.9	4.6	3.6	3.7
Ndst3	0.4	0.4	0.2	0.4	0.5	0.2	0.3	0.2	0.1	0.1	0.1	0.1
Ndst4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ndufa1	97.7	79.6	83.9	105.2	83.5	106.2	83.5	74.7	81.7	95.8	78.1	93.2
Ndufa10	57.7	46.7	43.6	60.7	43.8	55.2	42.5	50.0	40.7	46.8	52.1	48.0
Ndufa11	14.1	12.0	10.3	13.2	12.0	12.7	12.5	11.3	12.0	11.3	9.8	10.0

Online Table 1

Ndufa12	79.8	72.2	78.9	107.9	63.9	88.1	74.0	77.9	58.6	72.1	84.4	75.7
Ndufa13	99.1	84.1	78.8	108.5	81.7	102.4	90.2	88.9	78.8	96.0	87.7	96.0
Ndufa2	119.9	105.2	78.8	108.9	102.6	100.0	90.3	102.7	98.6	101.3	86.7	83.5
Ndufa3	210.9	178.0	162.9	205.2	178.0	203.7	178.7	190.6	205.4	208.5	201.3	180.4
Ndufa4	267.6	208.9	170.2	236.9	211.9	229.1	185.6	213.7	200.1	268.3	238.8	204.1
Ndufa4l2	5.4	12.1	13.4	7.5	9.5	15.0	4.9	3.0	4.1	2.8	2.9	6.1
Ndufa5	61.4	53.4	57.2	57.1	46.7	51.5	51.1	55.3	44.6	50.6	56.6	55.2
Ndufa6	121.7	104.5	88.0	99.0	96.6	106.2	88.2	94.4	95.4	116.8	112.9	109.3
Ndufa7	217.9	180.7	131.7	188.9	176.1	211.8	147.4	158.2	167.9	182.8	169.9	151.3
Ndufa8	60.8	56.2	50.1	59.8	56.3	59.1	59.4	55.3	53.4	67.1	58.1	59.1
Ndufa9	38.6	37.5	31.6	39.4	35.6	35.9	28.0	31.2	30.1	32.8	30.2	30.3
Ndufab1	37.7	33.4	27.5	29.3	33.7	31.3	28.4	26.3	30.1	38.2	28.6	31.7
Ndufaf1	12.4	11.6	9.8	12.5	8.7	13.3	8.3	9.0	8.9	12.1	10.9	12.5
Ndufaf2	25.7	26.2	33.5	31.9	23.9	28.8	30.6	27.7	24.5	25.2	31.1	33.7
Ndufaf3	12.8	13.2	10.2	14.9	12.1	17.8	9.1	13.7	12.7	12.3	12.3	12.7
Ndufaf4	3.0	3.2	3.0	3.8	3.0	3.7	2.9	2.8	3.1	3.6	3.9	3.8
Ndufaf5	3.1	2.4	2.3	2.7	2.4	2.5	2.3	2.1	1.9	2.0	2.6	2.1
Ndufaf6	2.8	2.4	2.5	2.4	2.3	3.5	2.4	2.0	2.6	3.4	2.8	2.4
Ndufaf7	7.4	6.5	6.2	6.1	5.8	7.8	6.3	6.9	5.6	6.4	6.5	6.9
Ndufb10	88.8	73.9	78.6	84.2	67.0	82.3	81.4	78.9	73.5	85.3	90.7	98.9
Ndufb11	58.2	52.9	51.3	54.7	50.1	54.4	49.7	51.3	54.3	69.5	54.4	60.1
Ndufb2	55.4	42.7	34.2	43.3	43.8	48.6	37.4	43.0	43.0	51.1	38.8	38.8
Ndufb3	73.6	59.1	64.9	66.1	59.5	76.5	55.2	55.7	53.5	70.5	62.1	68.6
Ndufb4	143.2	130.5	124.7	132.0	113.9	147.8	121.4	126.9	117.3	128.8	142.1	134.0
Ndufb5	49.1	42.6	38.9	42.5	42.5	47.7	33.3	41.9	38.2	49.1	40.8	41.3
Ndufb6	89.5	83.1	61.7	75.9	75.7	76.9	50.7	46.3	69.1	74.5	61.8	61.2
Ndufb7	86.8	74.6	69.4	95.4	81.7	86.9	85.5	76.0	70.6	81.3	77.2	80.6
Ndufb8	106.5	99.2	84.6	102.9	95.5	102.2	92.2	78.0	78.4	84.5	88.6	81.4
Ndufb9	99.3	93.9	86.3	93.2	79.7	89.4	82.3	92.6	77.3	89.8	87.7	85.0
Ndufc1	98.1	93.3	64.6	77.8	89.6	86.5	60.5	69.4	82.1	93.5	75.0	76.2
Ndufc2	51.6	56.4	49.5	51.9	56.1	53.6	46.8	45.2	51.9	62.0	59.2	52.2
Ndufs1	31.7	31.1	28.5	30.3	28.5	29.9	27.5	28.1	27.3	30.2	31.0	31.0
Ndufs2	79.3	76.0	68.5	74.8	72.0	73.5	68.1	72.9	72.0	85.5	79.8	77.0
Ndufs3	56.3	52.5	43.2	45.5	48.0	47.8	43.8	43.8	46.1	49.8	43.5	43.2
Ndufs4	32.1	29.9	24.2	23.7	26.3	25.4	21.8	25.8	27.4	31.1	25.5	28.6
Ndufs5	47.2	45.0	33.5	54.1	44.0	47.1	45.1	42.9	43.4	44.0	39.3	42.4
Ndufs6	63.4	57.5	59.4	71.1	56.4	62.0	58.2	67.2	55.4	64.8	58.5	60.2
Ndufs7	36.1	36.1	27.5	35.4	30.6	40.1	30.7	36.1	36.9	33.3	32.1	27.3
Ndufs8	26.6	17.9	18.2	26.5	23.3	24.0	24.8	32.1	24.0	25.4	32.2	23.9
Ndufv1	33.4	32.6	28.5	33.4	30.1	29.9	30.1	29.6	30.6	31.5	26.6	27.6
Ndufv2	34.3	35.9	31.2	32.7	30.4	33.7	29.8	36.2	30.2	36.3	38.2	32.9
Ndufv3	98.5	91.5	92.6	98.1	85.3	95.7	87.6	113.8	88.9	102.3	103.1	104.7
Neat1	62.8	101.6	99.0	60.7	76.8	84.3	81.9	79.1	88.3	60.9	53.4	74.1
Neb	0.4	0.6	0.6	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.3
Nebi	0.1	0.1	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.2	0.1	0.1
Necab1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Necab2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Necab3	0.2	0.2	0.2	0.1	0.2	0.0	0.3	0.1	0.1	0.1	0.1	0.1
Necap1	17.2	16.6	14.7	19.7	16.1	17.0	15.4	13.7	13.5	13.9	16.1	13.8
Necap2	45.2	38.9	32.7	47.6	44.1	50.2	41.3	34.1	37.5	36.1	37.2	35.0
Nedd1	6.8	6.9	7.5	5.6	7.2	6.2	6.5	6.6	7.4	7.4	7.7	6.8
Nedd4	296.0	301.2	348.6	259.7	292.7	292.2	329.2	404.4	355.4	368.7	380.4	392.9
Nedd4l	12.1	12.3	10.9	17.3	12.9	16.9	9.8	6.6	5.7	8.2	8.0	7.2
Nedd8	154.2	132.1	124.7	188.0	143.6	155.1	150.6	146.6	132.6	147.2	154.3	147.6
Nedd9	30.1	34.3	39.9	41.1	37.3	28.8	44.7	38.3	50.7	28.9	37.3	52.0
Nefh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nefl	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Nefm	0.1	0.1	0.0	0.1	0.0	0.1	0.3	0.1	0.1	0.0	0.1	0.1
Negr1	0.2	0.4	0.6	0.1	0.3	0.4	0.2	0.5	0.2	0.1	0.2	0.2
Neil1	2.0	2.7	2.9	1.9	2.3	2.6	1.9	2.0	2.1	2.0	2.3	2.6
Neil2	1.6	1.7	1.5	1.0	1.1	2.2	0.6	0.7	0.6	0.9	0.6	0.9
Neil3	0.6	1.9	3.1	0.4	2.6	0.2	2.4	0.8	1.5	0.7	1.5	1.0
Nek1	6.5	6.8	7.7	6.1	6.1	7.3	6.0	6.3	5.5	5.6	7.3	6.6
Nek10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Nek11	0.1	0.1	0.2	0.3	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.1
Nek2	1.4	2.4	3.4	0.4	3.7	0.9	4.6	1.6	3.6	1.4	3.2	1.8
Nek3	1.4	1.6	2.1	1.8	1.7	1.6	2.4	1.6	1.7	1.9	1.9	1.6
Nek4	5.6	5.8	5.1	6.1	4.3	6.2	4.6	4.3	4.1	4.5	5.4	6.0
Nek5	0.2	0.1	0.1	0.2	0.1	0.3	0.2	0.1	0.0	0.1	0.1	0.1
Nek6	26.0	34.0	35.8	27.7	32.9	25.8	32.5	32.5	36.4	36.2	29.5	37.4
Nek7	45.2	37.3	33.8	46.8	36.1	48.6	39.8	28.9	35.3	38.7	43.9	41.8
Nek8	4.0	3.8	2.9	4.1	3.2	4.3	3.6	4.3	5.0	3.4	3.5	3.1
Nek9	35.6	29.8	25.2	40.5	28.5	38.4	22.9	19.9	22.6	28.1	23.8	26.9
Nelfa	5.6	5.7	6.5	4.4	5.4	4.8	6.2	6.7	5.9	5.0	6.2	5.4
Nelfb	21.4	25.1	21.9	18.2	20.4	21.6	20.7	19.2	23.6	18.6	18.8	18.3
Nelfcd	7.5	8.9	9.2	8.1	8.2	7.7	8.8	8.4	8.1	6.8	6.5	6.7
Nelfe	17.2	18.1	16.6	16.0	14.4	15.6	15.9	15.3	14.6	14.1	15.3	15.2
Nell2	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0
Nemf	23.0	19.9	22.8	22.5	17.5	22.4	20.2	17.9	16.3	19.3	23.1	23.8
Nenf	100.0	81.6	83.0	84.4	66.8	96.5	86.6	83.1	89.0	87.5	79.3	96.0
Neo1	16.6	17.4	19.3	12.1	15.1	13.6	19.7	22.1	23.9	21.9	20.8	23.3
Nepn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nes	3.9	1.4	1.4	5.2	10.2	6.3	5.4	2.1	2.7	3.3	3.3	3.1
Nespas	0.4	0.3	0.2	0.3	0.3	0.5	0.2	0.5	0.3	0.2	0.5	0.1
Net1	1.3	1.1	1.5	0.7	1.2	0.8	1.4	0.8	1.1	7.6	3.1	2.2
Neto1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neto2	0.6	0.4	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.8	0.7	0.6
Neu1	8.1	7.6	6.2	9.5	8.7	10.4	5.5	5.5	5.4	6.2	5.2	6.7
Neu3	1.3	1.7	1.6	1.1	1.3	1.4	1.8	1.7	1.9	2.1	1.9	2.2
Neur1a	0.5	0.4	0.3	0.4	0.3	0.5	0.3	0.4	0.3	0.4	0.5	0.2
Neur1b	0.5	1.2	1.9	0.2	1.6	0.3	1.6	0.8	1.6	1.1	1.2	0.8
Neur12	1.4	0.9	1.0	1.5	1.1	2.0	1.4	0.9	1.0	1.6	1.3	1.0
Neur13	1.0	0.2	0.4	4.3	10.5	0.7	1.3	0.3	0.4	1.2	0.5	0.6
Neur14	3.5	3.9	4.1	4.0	3.6	3.3	3.8	4.0	4.4	3.9	3.6	3.4
Nexn	10.6	7.5	9.7	16.4	8.6	13.6	14.3	8.1	7.9	7.0	14.0	13.6
Nf1	4.2	5.2	4.6	4.2	4.7	4.9	4.3	4.4	4.1	4.8	4.6	4.4
Nf2	24.3	21.4	21.0	28.3	19.2	24.6	21.6	14.2	14.0	18.1	22.4	19.9
Nfam1	0.3	0.1	0.2	2.4	4.2	0.1	0.5	0.1	0.0	0.2	0.1	0.3
Nfasc	0.2	0.3	0.5	0.1	0.3	0.1	0.2	0.5	0.1	0.2	0.1	0.2
Nfat5	3.4	4.0	3.9	4.5	3.7	4.1	4.4	3.4	3.4	3.2	3.1	3.0
Nfatc1	1.6	2.1	2.1	2.7	2.8	2.5	2.8	2.3	2.0	1.6	1.6	2.0
Nfatc2	0.1	0.1	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nfatc2ip	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.7
Nfatc3	8.2	9.8	9.1	7.3	7.8	8.8	8.8	8.9	8.6	8.4	8.9	8.2
Nfatc4	3.1	3.8	4.3	3.0	2.7	3.9	3.7	4.9	4.4	4.8	3.5	4.4
Nfe2	0.1	0.0	0.2	0.0	0.2	0.1	0.3	0.1	0.1	0.1	0.0	0.1
Nfe2l1	126.1	86.4	83.8	165.7	92.4	167.4	96.8	101.5	80.2	69.0	88.0	85.4
Nfe2l2	61.6	54.8	57.3	78.9	69.1	60.9	65.8	54.0	50.9	65.3	66.6	71.2
Nfe2l3	0.6	0.5	0.5	0.5	0.4	0.3	0.5	0.6	0.5	2.4	1.4	0.7
Nfia	6.3	9.2	11.6	6.2	6.1	6.2	6.7	8.9	6.2	4.4	5.9	6.3
Nfib	11.0	13.3	14.5	13.4	10.9	14.2	12.1	13.6	9.4	12.4	11.2	10.8
Nfic	3.9	5.0	5.6	5.0	5.6	4.9	6.6	6.3	6.1	5.0	5.2	4.6
Nfil3	4.8	4.6	6.0	2.9	5.7	2.3	8.0	9.0	8.0	6.4	6.4	6.7
Nfix	10.6	14.2	16.3	10.9	11.7	12.6	14.0	17.6	15.0	11.4	12.0	12.1

Online Table 1

Nfkb1	20.2	23.7	26.1	21.8	27.0	19.8	28.1	29.4	27.9	18.1	22.1	21.5
Nfkb2	15.9	14.5	16.6	16.0	23.5	15.1	24.1	16.2	18.6	16.0	16.0	16.8
Nfkbia	20.7	18.9	30.2	25.6	44.2	15.5	32.3	25.4	23.1	25.0	21.3	26.9
Nfkbib	6.9	6.7	5.8	8.0	7.5	6.0	8.7	8.5	7.1	6.2	6.4	6.4
Nfkbid	0.2	0.1	0.2	0.3	0.8	0.1	0.2	0.2	0.1	0.2	0.2	0.1
Nfkbie	4.6	2.8	3.7	7.2	9.8	6.8	6.7	4.0	3.8	3.4	3.5	3.7
Nfkbil1	5.7	4.6	5.5	4.9	4.4	5.5	4.1	5.0	3.8	4.7	5.1	4.9
Nfkbiz	9.0	8.1	8.4	7.4	11.9	6.8	11.8	10.8	8.4	12.3	9.8	8.4
Nfrkb	2.7	2.4	2.8	2.5	3.0	2.6	3.2	2.9	2.5	2.7	2.8	2.0
Nfs1	18.5	19.4	17.3	16.8	17.3	18.0	15.4	17.0	16.9	16.4	17.6	16.4
Nfu1	35.0	31.5	28.7	43.2	29.9	37.3	29.5	27.3	30.6	29.4	29.9	30.8
Nfx1	13.7	13.6	13.6	12.4	12.0	13.3	12.4	12.3	11.6	12.3	13.9	13.3
Nfxl1	3.4	3.8	2.9	3.2	3.6	2.6	2.8	3.8	3.9	3.9	3.9	3.6
Nfya	3.7	4.3	4.9	3.9	6.1	3.8	4.4	5.0	4.9	4.4	4.5	4.2
Nfyb	10.8	9.3	8.8	10.4	7.9	10.5	9.7	7.1	7.2	8.9	9.5	11.9
Nfyc	7.3	7.7	8.0	7.7	7.7	6.7	9.1	11.1	8.9	8.3	8.7	8.0
Ngb	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Ngdn	15.8	14.4	11.5	14.5	14.1	13.0	14.0	13.5	14.2	15.7	15.3	14.8
Ngef	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
Ngf	190.9	185.3	137.9	302.9	167.3	273.0	151.4	77.6	80.0	102.6	104.3	120.8
Ngfr	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Ngfrap1	37.8	24.8	28.6	39.2	22.5	44.8	34.2	25.2	21.8	35.5	37.6	30.9
Ngly1	11.0	9.8	10.3	8.3	8.9	8.8	9.2	9.4	9.8	11.4	11.6	11.4
Ngrn	8.7	8.5	8.1	9.4	7.6	12.6	6.0	6.3	7.9	9.3	8.4	9.4
Nhej1	3.6	4.0	1.8	4.1	3.3	4.2	3.6	4.9	3.7	3.9	3.1	3.1
Nhlh1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nhlrc1	1.1	0.8	0.5	1.5	0.9	1.5	0.8	0.6	0.8	1.0	0.9	1.3
Nhlrc2	11.3	10.4	9.8	12.1	9.8	13.1	9.0	8.3	7.7	8.4	8.7	7.9
Nhlrc3	12.5	10.3	8.2	16.0	11.2	18.1	8.8	9.1	8.7	8.3	10.9	9.8
Nhlrc4	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Nhp2	19.8	15.9	15.5	19.7	18.8	20.2	20.8	17.5	16.0	21.5	18.8	19.2
Nhp2l1	45.4	45.3	40.8	46.4	45.1	44.3	46.3	43.9	42.0	52.1	47.8	44.5
Nhs	3.4	2.9	3.6	3.3	3.8	1.4	4.8	2.5	3.4	3.1	3.6	4.5
Nhsl1	1.1	1.3	1.4	0.8	0.9	0.6	1.4	2.5	1.4	1.5	1.4	1.2
Nhsl2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
Niacr1	0.0	0.0	0.0	0.4	0.8	0.0	0.2	0.0	0.0	0.1	0.0	0.0
Nicn1	14.6	12.4	12.5	13.9	9.8	17.0	11.4	11.7	11.1	10.4	11.4	10.5
Nid1	46.2	57.9	79.3	41.6	59.9	66.3	62.7	101.8	77.1	51.4	53.3	49.8
Nid2	13.4	17.3	30.0	4.9	12.8	2.3	17.6	22.2	20.7	10.8	7.7	10.6
Nif3l1	11.8	10.0	9.1	12.8	10.2	12.8	10.5	9.7	8.8	10.2	11.7	9.5
Nim1	0.7	0.8	1.1	0.6	0.6	0.9	1.1	1.2	1.2	0.6	0.9	0.8
Nin	7.1	8.0	9.6	8.3	8.5	7.0	9.6	8.5	8.4	6.0	8.3	8.1
Ninj1	47.8	39.9	33.2	65.1	53.8	47.4	38.2	33.2	30.0	43.2	37.9	32.6
Ninl	16.1	16.8	15.7	15.2	13.7	15.1	10.5	6.2	8.7	12.3	9.9	12.4
Nip7	7.6	5.6	4.9	7.3	6.8	7.1	5.9	6.7	5.6	7.2	6.4	5.5
Nipa1	9.4	9.1	9.3	9.2	8.4	9.2	9.8	5.5	8.6	8.9	9.9	10.1
Nipa2	8.4	9.7	8.9	8.4	11.0	8.2	8.2	8.8	9.9	11.2	10.4	9.9
Nipal1	0.1	0.1	0.1	0.0	0.2	0.1	0.3	0.2	0.2	0.3	0.2	0.3
Nipal2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1
Nipal3	2.4	1.5	1.1	2.8	1.4	2.7	1.3	1.5	1.2	1.8	2.0	1.5
Nipal4	0.9	1.4	1.6	0.8	1.5	0.4	1.3	0.8	0.8	0.7	1.1	0.8
Nipbl	8.0	9.3	9.6	7.5	8.3	8.2	8.1	9.3	8.1	8.4	8.8	9.1
Nipsnap1	3.7	1.9	1.5	1.5	1.2	3.4	1.1	0.9	0.7	2.3	1.8	1.4
Nipsnap3b	12.3	12.0	13.5	12.4	13.2	10.6	12.8	12.8	16.1	11.2	14.9	13.4
Nisch	53.0	56.0	56.5	47.3	51.4	48.0	56.3	62.7	55.1	54.1	50.3	50.2
Nit1	29.7	31.7	24.7	27.4	23.3	34.3	23.1	24.2	23.9	28.2	27.0	24.2
Nit2	13.0	13.2	9.5	11.9	9.1	14.5	7.0	9.1	9.0	12.1	9.6	10.0

Online Table 1

Nkain1	7.8	4.1	3.1	7.9	4.7	9.7	4.6	3.2	2.8	4.4	3.8	4.2
Nkain2	0.7	0.8	0.7	0.8	0.5	1.2	0.6	0.5	0.4	0.4	0.6	0.4
Nkain3	0.3	0.1	0.1	0.3	0.3	0.1	0.2	0.3	0.4	0.6	0.3	0.4
Nkain4	41.8	20.6	10.8	29.9	12.3	25.2	17.0	16.4	11.3	19.9	17.0	14.7
Nkap	5.8	5.9	6.9	5.1	4.8	5.9	5.5	5.6	5.4	5.4	5.8	6.0
Nkapl	0.4	0.6	0.6	0.3	0.3	0.3	0.5	0.4	0.2	0.4	0.6	0.7
Nkd1	0.8	1.4	1.1	0.5	0.4	0.5	0.9	1.1	1.1	3.0	1.6	2.0
Nkd2	17.6	24.4	26.1	26.0	32.1	22.8	55.4	40.6	42.6	37.5	37.9	40.9
Nkiras1	3.1	2.6	2.5	3.8	2.3	3.4	2.3	1.8	2.1	2.1	2.8	2.4
Nkiras2	4.8	4.7	4.5	5.8	4.9	5.0	4.7	4.8	5.3	4.2	5.0	4.3
Nkpd1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Nkrf	1.5	1.6	1.3	1.4	1.7	1.6	1.7	1.4	1.7	1.6	1.8	1.4
Nktr	12.1	12.7	12.0	12.2	12.3	11.2	13.1	11.9	11.8	11.3	13.0	13.4
Nkx2-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx2-5	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Nkx2-9	0.3	0.3	0.1	0.1	0.3	0.1	0.1	0.0	0.1	0.1	0.2	0.0
Nkx6-2	0.6	0.6	0.5	0.6	0.6	0.8	0.6	0.3	0.8	0.4	0.4	0.5
Nle1	2.4	1.8	1.2	2.8	2.4	2.2	2.3	1.9	2.3	2.4	2.5	1.9
Nlgn1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Nlgn2	4.0	6.1	7.9	3.7	4.8	4.1	6.3	7.3	6.8	5.4	4.3	4.7
Nlgn3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlk	4.9	4.8	4.3	6.0	6.1	5.7	4.9	4.0	4.8	5.1	5.2	4.6
Nln	12.1	9.6	8.2	12.6	10.2	12.4	9.7	8.9	9.2	9.8	9.5	9.7
Nlrc3	1.3	0.5	0.4	1.3	0.6	0.9	0.3	0.3	0.3	0.6	0.3	0.4
Nlrc4	0.1	0.0	0.0	0.3	0.7	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Nlrc5	1.2	1.0	0.9	1.6	1.3	0.7	0.5	0.4	0.2	0.2	0.4	0.5
Nlrp10	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Nlrp12	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp1a	0.3	0.5	0.3	0.5	1.2	0.4	0.4	0.4	0.3	0.3	0.2	0.4
Nlrp1b	0.1	0.0	0.0	0.5	1.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Nlrp1c-ps	0.0	0.0	0.0	0.2	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Nlrp3	0.3	0.1	0.0	1.5	3.7	0.0	0.5	0.0	0.2	0.2	0.1	0.2
Nlrp4f	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp5	0.2	0.2	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1
Nlrp5-ps	2.0	2.5	3.4	2.3	1.8	3.2	1.9	2.2	2.2	1.6	1.8	1.9
Nlrp9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrx1	3.6	3.4	3.6	2.9	2.9	3.8	3.3	3.1	3.3	2.8	2.6	3.1
Nmb	0.3	1.3	1.2	0.7	1.0	1.1	0.6	0.5	1.0	0.5	0.4	0.5
Nmd3	18.0	17.2	15.8	17.9	16.7	16.6	16.2	17.1	16.9	18.5	21.7	17.4
Nme1	76.1	54.4	39.2	78.1	59.0	65.1	51.8	43.2	42.1	63.3	57.5	49.1
Nme2	806.0	551.8	415.8	619.6	504.6	640.6	461.8	503.9	507.0	601.7	568.5	548.3
Nme3	4.3	3.9	3.8	4.4	4.7	6.2	2.5	3.9	4.7	7.2	4.2	4.9
Nme4	7.6	5.6	5.0	7.4	4.4	8.8	5.5	4.8	4.6	8.5	5.2	5.7
Nme5	1.6	0.8	1.1	1.3	0.8	2.5	1.0	1.2	0.4	1.5	1.1	0.5
Nme6	5.3	3.9	3.9	5.4	4.6	5.1	5.5	4.0	5.0	3.7	4.3	4.0
Nme7	9.7	9.7	9.2	8.6	8.9	11.4	8.4	9.0	7.7	12.6	9.4	10.3
Nmi	5.4	4.3	5.4	7.8	5.5	4.1	4.4	4.4	3.3	3.6	4.9	5.5
Nmnat1	4.8	5.1	3.8	4.1	5.1	4.3	4.4	4.3	5.1	4.6	4.1	4.8
Nmnat2	1.4	1.1	1.3	1.1	1.0	0.9	1.9	2.1	1.2	1.0	1.6	1.1
Nmnat3	2.4	2.1	1.6	3.2	2.0	2.6	1.5	1.6	1.0	2.5	1.8	1.7
Nmral1	1.7	2.3	3.7	1.5	2.5	2.6	2.8	2.9	3.0	2.1	2.9	2.7
Nmrk1	3.3	3.5	3.4	4.0	2.5	3.0	2.5	3.6	2.8	2.6	3.1	3.5
Nmt1	67.8	62.9	67.5	78.0	70.2	68.3	77.6	72.3	65.3	64.9	71.2	72.1
Nmt2	19.6	20.3	16.9	18.8	16.3	19.6	18.6	13.8	16.1	17.5	19.9	18.0
Nnat	1.1	0.7	0.6	1.2	0.7	1.1	1.1	0.6	0.8	1.3	1.6	0.9
Nnmt	44.1	40.4	38.1	48.7	38.8	38.6	39.8	44.5	39.0	38.6	35.7	31.2
Nnt	10.5	8.4	7.7	10.3	10.1	8.6	9.4	9.6	9.0	10.6	12.2	10.1

Online Table 1

Noa1	3.5	3.2	3.3	3.8	3.7	2.8	3.0	3.8	3.1	3.3	2.9	3.4
Nob1	6.3	6.4	5.6	6.1	7.2	7.5	7.4	6.7	7.1	9.9	8.4	5.8
Noc2l	13.9	11.3	11.0	16.5	12.9	15.5	13.6	12.6	9.8	13.2	13.3	11.7
Noc3l	7.7	6.5	6.1	8.4	6.7	6.8	7.2	6.1	5.7	7.0	8.1	7.7
Noc4l	5.3	5.4	4.2	4.8	4.8	4.2	5.3	5.3	4.6	4.2	3.9	4.1
Nod1	20.8	26.1	27.8	13.5	20.7	12.3	24.4	25.2	23.1	28.3	23.7	25.6
Nod2	0.1	0.0	0.1	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Nodal	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nog	1.2	0.7	0.9	0.7	0.6	0.3	0.5	0.3	0.1	0.4	0.4	0.3
Nol10	4.0	4.2	4.2	4.1	4.2	3.9	4.7	4.1	3.9	3.6	4.8	4.0
Nol11	9.3	7.8	8.0	9.4	8.7	9.2	8.4	9.0	8.1	9.2	9.2	9.1
Nol12	6.8	7.4	5.8	7.2	5.8	5.8	6.6	7.8	6.2	7.1	8.8	7.4
Nol3	3.7	4.1	5.4	4.6	4.1	5.2	5.1	6.0	5.0	3.7	4.4	5.9
Nol4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nol6	7.0	6.2	5.2	7.9	7.4	6.8	6.5	6.2	5.0	6.6	5.4	4.9
Nol7	9.8	7.7	7.9	11.6	8.7	10.5	8.8	9.2	8.0	9.7	12.1	9.7
Nol8	9.8	9.3	7.7	11.4	8.3	9.8	7.8	6.9	6.9	8.7	9.5	9.1
Nol9	6.8	7.0	7.4	6.7	7.7	6.4	8.8	9.0	7.0	6.9	7.0	8.4
Nolc1	15.3	11.9	13.3	18.4	14.1	13.5	14.8	14.0	10.7	12.6	14.4	13.4
Nom1	11.1	9.5	9.2	10.8	9.3	10.2	9.8	8.7	8.6	9.4	9.4	10.3
Nomo1	46.5	44.7	39.0	39.8	41.1	44.7	40.2	35.5	34.4	34.9	32.8	30.7
Nono	69.8	67.3	80.7	85.0	66.9	72.9	86.6	85.5	72.3	80.9	91.3	86.9
Nop10	46.9	37.8	33.5	52.8	43.0	48.1	37.9	41.0	40.8	48.5	44.9	37.9
Nop14	17.1	14.9	15.0	21.1	13.9	17.1	17.9	14.7	11.7	15.1	18.8	19.1
Nop16	12.6	9.5	9.5	12.4	10.5	11.0	10.2	9.1	9.1	12.4	11.6	10.2
Nop2	17.8	17.2	13.5	19.6	16.3	18.8	18.9	14.3	13.3	17.4	18.9	15.2
Nop56	33.4	29.9	27.0	32.5	30.3	28.6	37.9	30.5	28.1	30.4	36.3	30.0
Nop58	29.0	25.2	22.6	27.9	28.6	19.6	29.7	25.7	25.8	31.4	35.7	28.4
Nop9	5.2	5.1	4.4	4.0	5.0	4.8	4.4	4.3	5.2	5.1	4.1	4.0
Nos1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nos1ap	0.1	0.1	0.3	0.1	0.3	0.1	0.1	0.1	0.0	0.3	0.1	0.2
Nos2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0
Nos3	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.3	0.2	0.0	0.0	0.0
Nosip	10.3	10.1	9.3	11.1	9.0	10.8	10.0	10.7	9.9	8.9	9.9	10.4
Nostrin	0.5	0.1	0.1	1.9	2.6	0.3	0.2	0.1	0.2	0.3	0.1	0.2
Notch1	0.9	1.8	2.4	0.9	1.9	1.0	2.3	2.9	2.3	1.5	1.5	1.3
Notch2	13.6	18.8	20.6	12.4	20.4	12.0	25.6	24.3	23.1	16.7	17.2	17.5
Notch3	2.9	5.9	5.8	1.9	4.0	2.7	4.1	3.4	5.3	3.2	1.9	2.8
Notch4	1.2	0.7	0.7	2.0	2.5	1.2	2.6	1.4	1.7	1.1	0.8	0.9
Notum	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Nov	0.8	0.5	0.8	0.6	0.6	0.5	0.5	2.4	2.2	8.8	21.1	3.5
Nova1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Nova2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Nox1	0.0	0.0	0.0	0.7	0.8	0.0	0.3	0.0	0.0	0.1	0.0	0.0
Nox4	4.5	3.1	3.6	2.8	3.0	3.3	3.6	3.4	4.0	2.8	3.3	3.8
Noxo1	0.5	0.6	0.5	0.5	0.6	0.8	0.6	0.7	0.7	0.4	0.4	0.5
Noxred1	0.3	0.2	0.3	0.7	0.2	0.2	0.0	0.3	0.3	0.3	0.2	0.2
Npas1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.0	0.1
Npas2	0.1	0.2	0.4	0.0	0.2	0.1	0.1	0.3	0.3	0.1	0.1	0.1
Npas3	0.9	0.8	0.8	0.9	0.7	0.6	0.8	0.8	0.6	1.4	1.1	0.9
Npas4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Npat	3.9	4.8	4.7	3.7	3.9	3.9	4.1	4.3	4.2	3.9	4.9	4.5
Npb	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Npc1	8.5	9.8	9.7	11.2	13.4	10.7	10.2	12.1	11.1	10.2	9.0	10.4
Npc2	157.3	123.7	111.0	168.7	133.3	171.5	111.0	102.7	111.0	163.0	136.8	143.4
Npcd	0.2	0.5	0.5	0.5	0.5	0.6	0.5	0.2	0.2	0.2	0.2	0.4
Npdc1	70.8	65.2	59.6	76.7	59.0	84.8	64.6	68.8	63.4	60.3	56.3	56.3

Online Table 1

Npepl1	14.0	13.8	13.5	12.5	13.9	13.3	14.5	14.0	15.9	15.7	14.2	13.5
Npepps	12.0	11.4	10.8	10.2	10.4	12.8	10.8	10.0	12.2	13.8	11.6	13.1
Npff	0.1	0.3	0.2	0.2	0.3	0.1	0.2	0.4	0.3	0.2	0.4	0.6
Npffr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nphp1	9.2	8.8	10.1	9.1	6.9	9.6	8.6	9.3	7.1	7.2	8.9	8.2
Nphp3	1.3	1.4	1.9	1.0	0.9	1.1	1.6	1.8	1.5	2.0	1.1	1.5
Nphp4	0.5	0.4	0.6	0.5	0.4	0.7	0.6	0.4	0.4	0.3	0.3	0.4
Nphs1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Nphs2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Npl	0.2	0.3	0.5	0.4	0.5	0.6	0.4	1.2	1.0	5.3	1.9	2.6
Nploc4	19.4	20.2	17.7	21.6	20.4	20.5	21.1	19.7	20.3	19.5	20.0	19.0
Npm1	498.1	335.8	340.2	476.0	332.0	410.7	353.1	333.7	276.0	416.4	472.9	435.1
Npm2	0.2	0.2	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Npm3	17.7	13.9	12.2	12.3	15.6	16.7	14.2	14.2	16.2	19.2	17.1	13.6
Npm3-ps1	0.5	0.2	0.4	0.6	0.5	0.4	0.8	0.5	0.5	0.4	0.5	0.5
Npnt	2.6	1.6	2.2	0.7	1.2	1.2	2.4	1.0	1.7	3.6	3.7	2.6
Nppb	0.7	0.1	0.1	0.5	0.3	0.2	0.2	0.0	0.3	0.4	1.7	0.0
Npr1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.6	0.2	0.2
Npr2	19.7	17.7	16.6	16.2	13.2	20.0	14.7	11.6	12.4	10.9	12.6	12.0
Npr3	11.2	15.7	34.2	7.1	6.8	3.5	8.2	13.2	7.4	8.6	11.1	18.4
Npri2	7.8	8.7	7.2	7.4	6.4	9.0	6.5	6.4	6.4	7.6	6.1	7.1
Npri3	8.2	7.8	6.1	7.0	7.0	7.9	6.6	7.3	6.0	5.7	6.9	5.7
Nps	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Npsr1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Nptn	103.2	104.0	103.7	120.2	118.7	100.8	129.5	118.1	130.9	126.0	150.7	143.4
Nptx1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Nptx2	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Nptxr	0.2	0.1	0.0	0.1	0.2	0.3	0.4	0.1	0.2	0.4	0.2	0.0
Npy	0.4	0.0	0.1	8.1	13.5	0.0	1.6	0.2	0.2	0.9	0.3	0.7
Npy1r	2.6	2.1	1.6	2.0	0.7	1.0	1.2	0.7	1.1	0.3	0.5	0.6
Npy6r	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nqo1	91.6	52.5	22.8	146.5	56.5	136.0	15.2	33.9	8.3	18.8	18.0	12.7
Nqo2	5.7	5.7	5.6	5.9	6.3	5.8	5.0	5.3	5.6	4.9	6.5	5.7
Nr1d1	5.7	9.8	10.0	7.1	6.9	11.0	5.5	6.4	4.7	5.3	3.8	4.1
Nr1d2	17.3	21.2	24.9	19.0	18.3	21.3	18.2	21.6	18.8	20.5	20.3	23.8
Nr1h2	16.7	16.7	14.1	19.1	15.9	19.2	16.7	18.0	15.9	15.9	15.2	14.1
Nr1h3	4.0	5.3	4.9	3.5	4.8	3.2	5.3	7.8	7.4	5.2	5.1	5.3
Nr1h4	2.1	2.0	1.2	2.8	1.7	3.0	2.6	2.3	1.7	1.9	1.4	2.1
Nr1h5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nr1i2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nr2c1	2.6	2.7	2.5	2.9	2.5	2.6	3.0	3.1	2.7	2.9	2.6	3.0
Nr2c2	3.0	3.0	3.1	2.8	2.6	3.1	3.2	3.4	3.5	2.8	3.4	3.3
Nr2c2ap	4.2	4.6	4.1	5.5	6.3	5.6	5.9	4.5	5.1	4.5	4.5	5.5
Nr2f1	0.5	0.4	0.6	0.5	0.7	0.8	0.9	0.8	1.1	0.9	0.9	0.9
Nr2f2	1.5	2.1	2.7	1.9	1.6	2.0	1.9	1.9	2.2	2.5	2.1	2.0
Nr2f6	16.0	14.5	12.2	11.9	15.0	12.8	16.5	15.2	19.1	19.9	13.3	15.6
Nr3c1	22.8	25.9	26.9	23.6	22.2	26.6	20.4	23.7	22.2	22.1	23.2	25.9
Nr3c2	0.9	0.9	1.0	0.8	0.5	1.2	0.5	0.7	0.3	0.4	0.3	0.6
Nr4a1	0.7	0.7	0.6	0.4	0.6	0.7	0.5	0.3	0.7	2.8	0.8	0.5
Nr4a2	0.4	0.5	0.3	0.8	0.2	0.7	0.2	0.4	0.2	0.2	0.2	0.3
Nr4a3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.0
Nr5a2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Nr6a1	0.6	0.8	0.8	0.5	0.7	0.8	0.7	0.7	0.6	0.7	1.0	0.8
Nradd	13.1	13.4	7.8	11.6	8.8	16.9	7.9	7.8	9.8	18.7	10.4	10.5
Nrap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nrap	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0
Nras	20.5	19.0	15.4	21.6	19.1	18.2	17.0	19.4	17.6	16.6	20.6	16.6

Online Table 1

Nrbf2	10.0	11.3	11.5	8.6	10.1	8.7	10.3	10.8	9.8	11.3	11.9	12.8
Nrbp1	38.1	35.8	35.2	40.0	34.4	37.8	37.3	38.9	37.6	41.1	40.8	40.6
Nrbp2	3.2	4.2	4.4	2.5	2.2	3.4	2.9	5.5	5.3	4.4	4.5	4.0
Nrcam	0.3	0.2	0.2	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.1
Nrd1	40.1	33.2	32.3	39.4	35.4	37.1	33.9	31.1	27.3	29.3	33.9	34.7
Nrde2	3.0	2.6	3.0	2.8	2.7	2.7	2.7	3.6	3.0	3.2	3.6	2.7
Nrep	0.5	0.1	0.3	0.7	0.4	0.3	0.4	1.3	1.4	1.2	0.7	0.7
Nrf1	4.2	4.9	4.9	4.5	4.8	4.9	5.1	5.3	5.3	5.2	4.4	5.0
Nrg1	2.8	1.2	1.1	2.2	1.5	1.8	1.0	0.6	0.5	1.1	1.6	1.1
Nrg2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Nrg3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nrg4	0.6	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.6	0.4	0.7
Nrip1	4.1	4.8	6.5	3.3	4.1	3.4	4.8	5.6	5.0	4.0	4.2	4.5
Nrip2	0.5	0.3	0.3	1.0	0.1	1.2	0.2	0.3	0.2	0.5	0.5	0.2
Nrip3	0.2	0.3	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1
Nrk	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nrm	2.9	2.7	3.4	2.2	2.7	2.8	3.3	3.4	3.9	2.6	2.6	2.2
Nrn1	0.9	0.3	0.3	0.1	0.3	1.0	0.3	0.2	0.4	0.3	0.2	0.4
Nrn1l	0.5	0.7	0.0	0.4	0.3	0.3	0.2	0.1	0.4	0.3	0.2	0.1
Nron	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1
Nrp	0.9	0.7	0.4	0.4	0.7	0.7	1.4	1.2	0.9	0.7	1.5	0.9
Nrp1	10.0	12.5	24.0	16.9	30.4	6.3	12.8	20.6	17.9	21.0	16.1	20.1
Nrp2	8.9	6.6	8.6	22.8	22.1	22.0	13.9	10.7	9.2	10.1	9.8	9.5
Nrsn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nrtn	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.3	0.1	0.1
Nrxn1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nrxn2	0.2	0.2	0.4	0.3	0.2	0.4	0.2	0.3	0.1	0.1	0.1	0.1
Nrxn3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nsa2	50.7	41.2	52.2	45.6	41.3	45.7	45.7	55.9	41.5	49.5	56.1	61.2
Nsd1	10.6	11.6	11.4	9.9	10.0	10.2	9.3	10.8	9.8	8.3	9.8	9.9
Nsdhl	12.2	14.4	14.9	4.1	7.8	8.9	23.0	27.8	21.1	6.9	21.5	9.8
Nsf	13.6	12.2	11.4	14.2	15.4	11.4	13.2	12.4	11.8	12.0	13.1	12.4
Nsfl1c	50.2	46.1	46.7	59.4	43.2	56.3	50.5	54.6	45.2	47.6	48.2	49.3
Nsg1	10.3	10.1	11.6	11.7	12.7	9.7	13.7	12.4	10.7	8.1	9.4	7.8
Nsl1	0.9	1.3	2.0	0.5	2.0	0.4	2.5	0.8	1.5	0.9	1.5	1.1
Nsmaf	15.2	14.8	12.8	14.6	12.0	17.2	12.2	10.6	12.5	16.5	14.1	14.6
Nsmce1	21.4	20.8	20.3	18.0	16.9	19.4	18.6	17.5	18.9	19.9	20.2	21.6
Nsmce2	20.1	19.7	20.1	20.8	19.4	18.7	18.2	20.3	17.0	18.3	23.7	21.1
Nsmce4a	14.4	15.2	17.1	12.1	13.6	14.3	15.3	15.7	16.5	16.2	16.6	16.6
Nsmf	8.6	8.8	9.1	7.7	7.6	9.5	9.6	8.4	9.5	7.9	7.9	8.5
Nsun2	21.6	17.7	15.7	24.2	19.5	22.1	20.9	19.4	17.3	18.6	20.8	19.0
Nsun3	2.2	2.3	2.4	3.1	2.4	2.1	1.7	2.2	2.3	1.8	1.8	2.2
Nsun4	5.2	4.6	3.5	4.6	4.0	3.7	4.6	5.0	5.0	3.7	4.1	3.9
Nsun5	1.6	1.9	1.5	1.9	1.8	1.9	1.7	1.8	1.9	2.0	1.9	1.5
Nsun6	2.4	3.0	2.8	2.3	2.3	1.9	2.4	2.5	2.7	2.4	2.6	2.8
Nsun7	0.4	0.5	0.3	0.5	0.5	0.7	0.3	0.4	0.3	0.4	0.2	0.5
Nt5c	35.0	32.4	35.3	39.1	30.5	35.0	39.4	43.8	32.4	44.3	41.0	37.1
Nt5c1b	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0
Nt5c2	5.9	5.1	4.5	6.4	6.1	4.8	5.0	4.5	4.5	4.9	4.9	4.9
Nt5c3	8.2	8.7	7.8	8.5	7.6	8.9	7.1	6.8	7.6	10.1	8.9	7.7
Nt5c3l	14.3	13.8	14.1	15.6	12.3	14.9	15.7	16.7	12.2	12.4	17.5	13.3
Nt5dc1	4.4	4.9	3.9	5.4	5.0	4.1	4.4	4.2	4.4	4.6	5.3	5.0
Nt5dc2	4.7	6.7	7.6	6.2	8.6	5.5	6.9	8.6	7.7	7.1	6.9	6.7
Nt5dc3	2.5	2.3	2.1	2.4	2.6	2.5	2.4	2.1	1.8	2.1	2.6	2.3
Nt5e	2.3	1.3	2.0	1.7	2.4	0.7	1.5	2.4	1.9	2.0	2.1	2.6
Nt5m	9.1	8.0	6.4	8.1	7.7	7.2	9.4	6.5	8.2	8.3	8.2	9.1
Ntan1	25.8	22.9	21.9	32.0	21.6	33.1	22.3	25.8	25.0	21.2	23.5	21.0

Online Table 1

Ntf5	0.8	1.3	1.3	0.8	0.7	0.8	0.9	1.1	0.9	1.7	1.4	1.2
Nthl1	4.0	3.7	3.0	5.0	3.1	6.3	2.8	2.7	3.4	4.3	3.9	3.5
Ntm	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Ntmt1	14.5	11.3	9.0	12.3	10.2	12.8	11.1	11.7	13.3	13.6	13.4	9.4
Ntn1	5.0	5.3	6.0	4.2	5.4	4.7	3.9	2.4	2.6	2.1	1.8	2.3
Ntn3	0.4	0.5	0.5	0.5	0.4	0.8	0.4	0.4	0.5	0.4	0.3	0.4
Ntn4	25.1	19.4	13.6	23.5	14.1	22.5	17.7	10.8	11.6	12.4	14.8	15.7
Nting1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nting2	1.3	1.5	1.6	1.9	1.7	1.9	1.8	1.2	1.5	1.2	1.3	1.5
Ntpcr	11.9	9.8	9.4	10.6	9.6	9.1	8.9	10.7	9.5	11.6	9.9	9.4
Ntrk1	0.4	0.4	0.7	0.4	0.5	0.8	0.2	0.4	0.3	0.1	0.1	0.3
Ntrk2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ntrk3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Nuak1	13.0	14.1	14.8	17.5	16.4	12.5	23.3	13.7	20.3	20.2	20.5	22.1
Nuak2	6.2	6.2	4.8	6.5	9.3	8.6	9.5	7.3	9.1	7.0	7.6	5.8
Nub1	26.5	22.3	20.6	28.6	20.4	27.8	21.5	21.9	20.1	23.7	25.3	26.0
Nubp1	9.2	7.4	6.7	8.3	7.3	7.1	8.3	7.2	8.1	8.4	7.0	7.8
Nubp2	13.7	11.4	11.0	15.9	14.4	13.2	13.6	11.9	11.6	12.5	12.0	11.5
Nubpl	8.3	6.5	6.4	4.5	6.5	7.1	5.1	5.5	4.8	4.5	5.8	4.8
Nucb1	93.0	94.5	116.3	100.7	84.5	107.0	96.7	117.9	84.8	83.1	88.8	87.3
Nucb2	76.4	52.8	65.0	96.1	52.5	72.5	68.0	63.5	43.6	49.3	67.6	77.5
Nucks1	19.3	20.8	25.6	20.2	21.2	18.4	21.6	23.1	21.5	20.2	23.4	23.2
Nudc	60.0	63.9	72.1	72.9	57.2	64.2	72.3	60.9	51.4	57.1	70.1	64.5
Nudcd1	11.0	10.2	9.2	11.0	10.5	10.7	9.3	8.8	8.1	12.1	12.6	11.0
Nudcd2	22.6	22.6	21.4	25.6	23.8	22.9	22.3	20.5	20.9	25.4	26.1	24.1
Nudcd3	10.4	11.1	10.1	10.6	9.8	10.9	11.9	10.0	11.8	10.8	10.0	11.1
Nudt1	4.6	5.6	4.9	4.2	4.7	4.1	5.8	5.8	5.1	4.5	3.9	4.6
Nudt10	0.4	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1
Nudt11	0.2	0.2	0.1	0.5	0.1	0.3	0.1	0.1	0.1	0.3	0.1	0.1
Nudt12	3.2	3.4	3.0	3.0	2.1	4.3	2.5	2.5	2.3	3.3	3.3	2.7
Nudt13	1.9	2.0	2.1	2.5	1.9	2.0	1.3	1.2	1.6	1.4	1.2	1.4
Nudt14	6.0	6.3	5.0	4.2	6.4	5.6	5.7	6.8	5.7	7.0	5.7	5.4
Nudt15	1.1	1.0	0.6	0.7	1.3	0.8	0.8	0.8	0.9	1.2	1.2	0.9
Nudt16	5.7	6.2	4.9	5.4	4.5	7.0	5.4	5.0	6.0	5.4	5.6	5.9
Nudt16l1	10.0	10.5	9.0	8.9	9.8	13.0	8.2	9.4	9.5	11.1	8.5	9.2
Nudt17	1.1	1.4	1.1	0.7	0.8	1.7	0.8	0.5	0.9	1.5	1.2	1.3
Nudt18	3.0	2.9	2.4	2.5	2.8	3.9	2.5	2.7	2.4	2.7	2.4	2.3
Nudt19	17.6	13.8	12.0	15.1	12.4	13.8	11.0	11.2	11.2	12.9	11.7	11.5
Nudt2	18.1	14.2	16.9	19.0	14.8	21.0	19.2	15.8	14.7	15.0	21.2	17.0
Nudt21	26.3	25.1	23.9	20.4	24.2	20.3	24.3	25.6	26.2	27.2	26.3	23.4
Nudt22	8.4	12.0	8.2	8.3	6.4	8.9	7.3	7.3	8.0	7.3	7.2	7.0
Nudt3	43.9	34.4	32.3	60.7	39.1	52.8	42.0	31.5	35.5	40.0	42.3	39.7
Nudt4	19.5	22.3	25.5	18.6	22.2	17.7	23.9	25.2	23.1	30.5	31.1	31.9
Nudt5	19.7	19.2	15.3	17.9	18.6	20.5	16.2	13.2	15.8	19.1	16.8	15.0
Nudt6	9.0	8.0	9.8	6.5	6.8	6.0	9.5	7.0	8.4	17.1	12.4	13.0
Nudt7	9.2	8.1	6.1	6.3	7.2	7.5	5.6	6.8	7.3	8.2	6.7	7.1
Nudt8	16.4	16.8	12.7	16.3	12.5	19.7	14.3	13.3	14.2	15.5	13.1	16.4
Nudt9	23.4	22.8	25.8	30.6	20.9	29.1	27.7	22.6	19.9	20.4	24.5	27.4
Nuf2	2.3	3.9	7.4	0.5	6.2	0.7	8.4	2.9	6.3	3.2	6.1	3.6
Nufip1	2.9	2.5	2.5	3.5	3.0	2.7	2.5	3.1	2.6	3.0	3.0	3.1
Nufip2	11.3	13.3	15.4	12.2	12.5	11.6	13.1	15.0	12.7	12.1	15.6	14.6
Nuggc	0.3	0.4	0.2	0.4	0.2	0.1	0.2	0.3	0.1	0.1	0.3	0.3
Numa1	20.3	21.0	22.3	22.1	21.7	21.6	25.9	23.6	23.1	20.2	20.0	21.1
Numb	10.0	12.6	12.0	12.5	10.6	9.7	12.3	10.6	11.1	10.6	12.0	11.6
Numbl	23.0	26.5	22.2	23.0	19.2	23.6	26.4	29.8	28.6	21.6	23.4	20.2
Nup107	8.1	10.0	9.4	7.4	10.1	6.5	10.4	9.8	9.2	8.1	10.8	8.1
Nup133	3.9	4.1	3.9	3.7	4.1	3.8	3.9	4.1	4.1	3.1	3.7	3.7

Online Table 1

Nup153	13.3	12.5	11.0	13.6	11.9	11.6	12.2	10.9	10.7	11.5	12.6	10.9
Nup155	4.7	5.5	5.5	4.1	5.9	4.7	5.4	5.1	4.9	4.6	5.2	4.2
Nup160	2.9	3.5	3.8	3.5	4.0	3.3	3.5	3.3	3.1	3.3	3.5	3.2
Nup188	5.0	6.0	5.7	4.2	5.8	4.4	5.8	7.0	6.3	5.7	5.7	4.5
Nup205	14.1	12.8	11.8	12.2	14.1	12.9	13.1	11.5	11.1	11.6	13.0	11.3
Nup210	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Nup210l	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.3
Nup214	2.9	3.7	3.9	3.7	4.1	3.1	3.8	3.9	3.1	2.9	2.6	2.5
Nup35	12.8	11.9	9.8	11.2	11.2	7.4	11.5	8.5	11.2	11.7	12.7	9.7
Nup37	8.1	8.4	8.6	4.7	8.2	5.4	7.2	7.1	7.7	8.5	7.7	7.3
Nup43	4.8	6.2	6.4	5.0	6.0	5.4	6.4	5.4	5.8	5.3	5.9	5.3
Nup50	10.5	10.1	11.4	11.2	9.8	10.8	10.5	10.3	9.7	11.3	11.0	10.7
Nup54	8.2	7.9	8.5	7.8	8.4	8.6	9.3	8.8	8.9	8.5	10.6	8.7
Nup62	7.3	7.2	5.9	7.7	7.2	7.8	8.5	7.4	7.2	6.8	8.1	6.3
Nup62cl	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
Nup62-il4i1	0.3	0.3	0.2	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.3
Nup85	9.9	12.1	13.4	9.5	12.3	9.6	13.7	11.6	12.5	10.5	11.0	9.9
Nup88	30.2	27.9	25.3	30.3	26.5	30.9	27.7	25.9	27.2	26.5	29.3	27.9
Nup93	8.7	9.8	10.5	8.6	11.1	7.9	11.4	11.6	10.8	9.9	10.5	9.8
Nup98	18.4	18.3	19.4	18.4	18.7	16.2	20.6	19.6	18.1	18.5	19.0	19.6
Nupl1	15.8	15.7	15.1	16.3	14.9	13.7	16.7	14.7	15.7	15.9	17.5	14.8
Nupl2	4.3	3.9	3.8	4.8	4.2	3.7	4.0	4.1	3.5	4.1	4.3	3.8
Nupr1	207.6	62.4	46.4	291.4	78.0	200.1	109.9	76.7	78.1	114.8	154.8	122.2
Nupr1l	0.9	1.0	0.9	0.1	0.4	1.2	0.1	0.7	0.6	0.9	0.5	0.4
Nus1	20.8	19.1	15.1	22.3	21.9	20.9	20.5	15.4	20.2	24.2	23.3	22.0
Nusap1	2.5	4.3	8.2	0.8	5.8	1.1	8.4	2.9	5.6	2.9	5.6	3.8
Nutf2	5.2	5.1	4.7	8.0	4.7	4.9	3.9	4.8	4.8	5.4	5.8	4.4
Nutf2-ps1	51.6	43.5	45.6	64.8	50.5	56.5	61.5	57.0	49.7	50.3	56.3	53.1
Nvl	9.9	10.8	10.9	10.7	10.5	10.7	11.4	10.2	10.5	10.1	11.7	10.1
Nwd1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0
Nxf1	18.6	19.9	19.0	17.0	18.2	16.8	18.7	18.0	20.0	17.9	20.5	18.7
Nxf2	0.2	0.1	0.4	0.5	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.1
Nxf3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Nxf7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nxn	29.5	29.3	32.5	18.0	27.0	23.1	27.6	31.7	30.7	61.4	42.7	44.4
Nxnl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nxnl2	0.6	0.6	0.7	0.1	0.4	0.3	0.6	0.6	0.9	2.1	2.1	1.0
Nxpe2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nxpe3	0.4	0.6	0.5	0.4	0.4	0.5	0.3	0.4	0.5	0.3	0.5	0.5
Nxpe4	3.2	3.5	3.8	2.7	2.6	3.4	2.4	3.6	2.5	1.8	2.8	2.8
Nxpe5	0.3	0.0	0.0	1.1	1.9	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Nxph1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Nxph3	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.5	0.3	0.1
Nxph4	0.3	0.2	0.4	0.1	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.6
Nxt1	8.0	8.2	9.4	8.2	10.1	7.4	10.2	8.6	9.9	8.0	9.2	8.6
Nxt2	7.3	8.2	9.7	9.9	8.1	9.0	8.6	7.5	8.1	7.2	9.5	9.3
Nyap1	2.0	2.3	2.2	1.4	1.0	2.3	1.2	1.2	1.2	1.2	1.3	1.3
Nyap2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nynrin	2.9	4.2	4.9	3.1	2.7	4.1	4.1	4.4	4.5	4.2	3.6	3.8
Nyx	0.2	0.2	0.3	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.1
Oacyl	0.1	0.1	0.0	0.2	0.3	0.0	0.2	0.1	0.2	0.2	0.1	0.2
Oaf	23.4	20.9	17.5	27.6	27.1	36.2	32.3	24.1	35.2	26.8	27.9	24.6
Oard1	9.4	7.4	9.4	6.5	7.5	9.6	6.5	7.9	7.4	8.9	9.6	9.9
Oas1a	3.7	2.3	3.1	4.7	4.2	2.2	1.2	1.2	0.8	1.1	0.5	2.4
Oas1b	1.4	0.8	1.2	1.1	0.9	0.9	0.8	0.6	0.7	0.5	0.4	0.7
Oas1c	3.0	2.7	3.0	2.9	1.8	3.1	1.6	1.4	1.4	1.6	1.3	1.5
Oas1d	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1

Online Table 1

Oas1g	0.4	0.4	0.4	0.8	0.7	0.3	0.3	0.2	0.2	0.1	0.2	0.4
Oas2	1.6	1.4	1.9	1.6	1.6	0.9	0.5	0.3	0.2	0.1	0.1	0.8
Oas3	0.2	0.1	0.1	0.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Oasl1	0.9	0.3	0.4	2.1	0.3	1.4	0.2	0.2	0.1	0.2	0.2	0.4
Oasl2	6.2	3.3	6.2	11.1	5.0	5.6	3.7	2.5	2.1	1.5	2.2	6.7
Oat	128.7	123.9	126.6	117.1	117.4	109.9	120.3	149.6	148.7	151.5	143.9	155.0
Oaz1	159.8	176.6	134.8	146.3	207.6	147.9	111.2	116.9	216.2	221.9	137.7	136.6
Oaz1-ps	47.0	17.0	26.9	57.8	19.4	45.9	76.8	69.8	9.2	0.1	47.7	44.6
Oaz2	35.3	36.0	37.0	33.3	33.9	32.6	30.3	30.0	38.7	44.0	37.0	38.7
Oaz3	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0
Obfc1	5.1	5.2	5.2	4.1	4.3	5.6	3.5	5.3	3.3	3.8	4.2	3.9
Obscn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Obsl1	1.8	2.3	3.0	1.2	1.8	1.9	3.0	3.0	3.7	3.0	2.3	2.6
Oc90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oca2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ocel1	2.9	2.9	2.4	2.0	2.7	2.8	3.1	3.2	3.2	2.8	2.0	2.8
Ociad1	79.5	74.9	66.8	80.1	69.6	71.3	72.5	69.7	70.0	79.3	78.9	80.0
Ociad2	1.8	1.4	1.2	1.6	0.9	1.7	0.6	0.8	0.8	1.8	1.2	1.1
Ocln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ocrl	6.5	7.0	5.9	7.1	5.8	7.4	6.5	5.6	6.3	5.3	5.9	5.8
Ocstamp	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.1
Odc1	94.0	67.1	51.5	89.7	58.4	101.8	59.9	44.8	46.4	69.9	61.0	53.8
Odf1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Odf2	16.1	16.6	19.6	16.7	15.3	16.1	20.5	18.3	17.8	14.3	19.2	17.4
Odf2l	5.6	6.7	5.2	5.6	4.6	5.2	4.3	4.6	4.6	5.8	5.5	5.0
Odf3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Odf3b	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Odf3l2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ofd1	3.7	4.5	4.3	3.2	3.3	3.0	4.6	4.0	3.7	3.4	4.3	4.7
Ogdh	14.8	14.8	14.7	16.8	16.0	15.5	16.4	15.5	13.1	13.1	14.4	12.8
Ogdhl	15.6	12.0	8.2	11.6	9.6	19.4	5.6	4.1	4.3	10.4	6.6	7.7
Ogfod1	7.2	6.2	5.6	7.2	5.9	6.7	6.5	5.1	5.6	6.3	6.0	6.7
Ogfod2	6.6	6.1	4.7	6.3	5.9	6.4	4.3	4.4	5.2	6.2	5.3	4.8
Ogfod3	2.0	1.2	2.3	2.0	1.5	1.9	2.0	3.4	1.7	1.8	2.0	1.7
Ogfr	17.8	17.0	19.4	16.0	18.4	13.8	16.9	20.9	19.5	18.6	17.6	20.3
Ogfrl1	2.2	2.6	3.6	2.8	2.4	3.1	2.3	2.1	1.4	1.2	1.9	1.9
Ogg1	4.0	3.8	3.3	3.9	3.9	4.3	3.5	3.8	3.3	4.1	3.0	3.3
Ogn	5.1	6.3	13.4	3.7	4.0	2.7	2.6	7.6	7.4	9.5	9.1	9.2
Ogt	16.5	18.2	16.8	15.9	17.1	18.5	14.4	16.8	17.8	15.0	16.5	14.5
Oip5	0.8	1.5	2.2	0.5	1.7	0.7	1.9	1.5	1.8	1.2	1.5	0.7
Oit3	0.2	0.1	0.1	0.6	0.9	0.5	0.1	0.1	0.0	0.1	0.1	0.1
Ola1	36.3	28.0	30.1	34.4	29.1	34.1	29.7	27.7	27.7	29.8	34.5	33.5
Olfm1	7.4	7.0	7.3	11.5	10.1	11.5	8.8	5.6	5.5	4.9	7.6	6.6
Olfm2	0.6	0.6	0.2	0.5	0.5	0.9	0.4	0.1	0.1	0.3	0.7	0.4
Olfml1	1.1	4.0	10.2	0.5	1.9	0.3	2.3	8.5	3.7	1.3	1.5	2.4
Olfml2a	0.1	0.1	0.3	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1
Olfml2b	6.7	6.5	11.4	3.3	6.3	5.1	9.4	17.1	12.6	19.0	17.1	15.8
Olfml3	34.5	69.0	182.5	31.0	83.7	20.4	82.4	125.2	96.0	56.8	51.6	94.2
Olf1033	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.9	0.6	0.6
Olf1034	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0
Olf1314	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Olf1317	0.1	0.0	0.0	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Olf1318	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.0	0.1	0.1	0.1	0.1
Olf1372-ps1	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Olf1396	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf1417	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Olf1420	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Oifr18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oifr212	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Oifr239	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oifr419	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Oifr420	0.3	0.2	0.2	0.3	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.0
Oifr421-ps1	0.0	0.2	0.0	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Oifr456	0.1	0.2	0.0	0.0	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0
Oifr543	0.1	0.3	0.3	0.2	0.1	0.1	0.1	0.4	0.1	0.4	0.1	0.1
Oifr544	0.3	0.2	0.1	0.0	0.3	0.2	0.0	0.1	0.1	0.2	0.2	0.2
Oifr545	0.3	0.1	0.2	0.1	0.3	0.1	0.0	0.1	0.0	0.1	0.1	0.1
Oifr558	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Oifr56	0.2	0.1	0.1	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1
Oifr613	2.2	3.2	2.5	1.9	2.7	1.7	2.2	1.7	1.5	2.1	2.4	1.8
Oifr692	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Oifr78	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oifr856-ps1	7.5	10.0	8.5	7.4	8.3	6.5	9.1	6.5	5.4	6.8	6.7	5.6
Oifr920	0.0	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Oifr99	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Olr1	1.2	0.5	0.4	0.9	2.0	0.3	2.5	0.5	1.7	2.6	1.3	2.2
Oma1	7.1	6.3	5.7	6.7	6.2	6.1	6.1	4.9	5.3	7.8	7.5	7.2
Omd	0.3	0.2	0.5	0.5	0.2	0.4	0.2	0.3	0.2	0.2	0.0	0.2
Omg	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Omp	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.1	0.1
Onecut2	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Opa1	11.9	11.7	10.5	11.7	11.1	12.6	11.0	10.3	9.5	10.7	11.3	10.3
Opa3	8.4	7.6	7.4	9.9	8.3	8.1	9.7	8.6	8.3	7.4	9.0	8.1
Opcml	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ophn1	1.8	2.1	1.9	2.1	2.6	1.7	1.8	2.7	2.3	2.3	2.3	2.1
Oplah	12.2	11.7	9.6	6.2	6.4	9.2	4.9	9.1	5.9	9.8	8.1	6.6
Opn1mw	0.0	0.3	0.1	0.2	0.1	0.0	0.1	0.4	0.1	0.2	0.1	0.1
Opn1sw	0.3	0.4	0.4	0.2	0.4	0.5	0.4	0.7	0.4	0.3	0.3	0.4
Opn3	1.4	1.1	1.3	1.4	1.1	1.0	1.6	1.2	1.4	0.8	1.3	0.9
Opn5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Opr11	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Optc	1.1	1.2	0.9	0.8	0.4	0.9	0.3	0.8	0.4	1.0	0.7	1.0
Optn	13.2	14.1	13.8	17.3	11.9	14.8	13.5	12.5	10.5	8.0	12.6	12.5
Orai1	6.6	5.0	4.5	6.3	7.6	5.9	8.5	5.9	6.7	6.3	6.7	5.8
Orai2	14.9	15.1	15.3	14.2	14.0	12.5	15.3	13.6	13.2	12.6	12.5	14.4
Orai3	10.5	11.3	11.4	13.3	10.3	14.6	11.2	11.9	11.5	10.5	10.6	10.0
Oraov1	13.6	13.3	12.8	15.0	12.3	11.8	12.8	12.8	14.4	9.9	14.0	13.9
Orc1	0.6	0.9	1.3	0.2	0.9	0.2	1.1	0.7	0.9	0.7	1.0	0.6
Orc2	9.4	9.6	8.7	9.8	8.4	9.1	8.3	7.2	7.4	8.9	8.9	8.5
Orc3	7.4	8.5	8.0	7.4	7.6	8.0	7.1	7.6	6.9	7.2	8.0	7.9
Orc4	10.5	11.9	11.4	10.8	11.4	12.1	9.8	9.8	11.4	13.0	13.2	12.0
Orc5	6.0	7.8	7.2	6.8	6.8	6.1	7.0	6.8	6.7	6.0	7.7	6.6
Orc6	8.5	11.1	10.6	5.8	8.3	6.7	9.2	9.9	10.1	10.9	9.4	9.0
ORF63	0.5	0.5	0.3	0.8	0.9	0.5	0.6	0.3	1.0	1.1	1.2	0.8
Orm1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0
Orm2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Orm3	0.0	0.1	0.0	0.3	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Ormdl1	4.8	4.8	4.9	5.7	6.8	7.3	4.5	3.8	4.5	6.0	5.1	5.1
Ormdl2	15.0	16.1	13.3	14.9	14.8	14.0	13.5	15.4	15.3	15.1	17.1	15.6
Ormdl3	38.8	37.8	34.1	47.0	37.2	46.5	35.4	30.3	38.1	40.2	37.2	40.8
Os9	37.1	32.7	41.0	48.7	37.4	44.8	39.3	43.7	35.5	33.9	37.6	41.9
Osbp	12.6	13.1	13.0	12.5	12.2	10.4	13.5	12.4	12.8	11.0	13.2	13.8
Osbp2	0.1	0.0	0.1	0.2	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.1
Osbpl10	0.7	0.6	0.7	0.8	0.7	0.6	0.7	0.8	0.5	0.8	0.8	0.6

Online Table 1

Osbpl11	7.5	7.1	6.8	7.3	6.9	8.2	7.1	7.8	7.4	6.9	8.2	8.0
Osbpl1a	12.4	12.1	12.2	12.2	9.2	12.3	10.8	9.9	11.2	8.9	10.3	10.6
Osbpl2	18.9	16.5	16.2	22.5	14.5	20.5	16.7	17.9	14.1	17.9	20.3	20.3
Osbpl3	1.3	0.6	0.4	1.0	1.1	0.8	0.8	0.5	0.4	1.1	0.8	0.7
Osbpl5	38.8	36.7	28.4	40.8	34.2	38.8	40.6	30.3	38.1	35.2	36.5	32.4
Osbpl6	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2
Osbpl7	0.9	0.9	1.1	0.6	0.9	1.0	1.0	1.1	0.8	0.9	0.6	0.8
Osbpl8	7.9	8.4	8.8	16.6	17.8	8.1	9.3	8.5	8.5	8.1	10.1	9.7
Osbpl9	58.0	53.6	50.5	61.5	45.6	58.3	55.7	48.4	49.6	50.4	56.6	56.9
Oscar	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.1
Oscp1	2.0	1.7	1.9	1.6	1.3	2.2	1.6	1.7	1.7	1.5	1.7	1.8
Osgep	16.2	14.8	16.8	13.3	14.8	13.5	17.9	17.8	17.4	17.3	16.2	16.9
Osgep1	2.5	2.9	2.9	2.0	2.1	2.3	2.3	2.6	2.5	2.1	2.7	2.4
Osgin1	5.4	5.6	3.9	8.4	6.6	7.1	5.1	3.2	2.8	8.9	4.9	4.5
Osgin2	2.9	3.1	2.7	2.7	5.4	2.4	2.9	2.7	3.5	3.3	3.2	3.2
Osm	0.1	0.0	0.0	0.2	0.6	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Osmr	60.6	78.8	90.3	57.0	79.7	46.2	89.3	84.0	82.2	82.2	82.1	92.3
Osr1	2.2	1.7	2.5	1.1	1.3	2.1	2.2	4.2	3.3	6.0	4.7	3.8
Osr2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.2	0.1	0.0	0.1
Ost4	313.8	277.8	239.1	369.1	274.7	373.5	289.8	269.3	249.4	249.6	292.0	270.2
Ostc	114.3	104.6	91.8	122.5	102.2	102.3	105.8	102.4	113.7	114.2	116.5	114.9
Ostf1	60.3	50.6	49.1	74.6	71.8	55.5	61.8	48.6	59.7	54.3	62.4	61.3
Ostm1	32.4	27.1	24.1	34.3	29.1	32.5	26.2	23.3	26.2	27.8	29.8	31.7
Ostn	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Otoa	0.1	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otof	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otogl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ott	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TTMUSG0000001660	0.1	0.7	1.6	2.8	1.4	0.9	0.6	1.2	1.2	1.7	2.1	2.4
Otub1	40.1	39.9	33.0	40.7	32.8	40.5	37.9	38.3	35.7	36.3	35.5	32.9
Otub2	4.0	3.5	3.0	4.8	2.9	4.7	2.8	3.0	2.9	2.6	3.4	2.8
Otud1	3.7	2.6	3.2	3.7	3.0	3.3	2.4	2.1	2.5	2.6	2.4	2.8
Otud3	6.1	7.7	6.4	7.0	6.6	7.0	7.5	6.7	6.2	6.5	6.8	7.5
Otud4	8.9	9.6	9.9	11.2	9.5	9.9	9.8	8.0	7.9	9.4	10.6	9.3
Otud5	15.4	16.2	16.2	17.0	15.1	16.1	16.4	15.1	16.1	16.0	16.8	15.6
Otud6b	21.2	19.4	18.7	26.7	18.4	22.9	20.6	16.9	17.0	20.2	23.4	22.3
Otud7a	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0
Otud7b	8.4	7.7	7.1	11.3	7.3	12.2	8.5	6.7	7.5	8.3	9.0	8.2
Ovca2	4.1	5.0	4.6	4.7	5.2	4.2	4.1	5.6	4.5	5.3	5.3	4.1
Ovgp1	0.5	0.8	0.6	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5
Ovol1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Oxa1l	8.4	7.1	7.3	9.0	7.0	7.9	7.4	9.5	7.5	8.2	8.0	7.8
Oxct1	36.2	33.4	39.9	26.5	25.8	35.7	29.1	33.6	33.9	33.2	39.1	37.0
Oxct2a	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxld1	4.3	5.0	4.4	4.4	4.9	4.9	3.6	4.4	4.6	4.7	4.0	4.7
Oxnad1	4.3	5.2	4.2	4.3	3.6	4.8	3.1	4.3	3.6	3.9	4.7	4.0
Oxr1	25.8	22.9	23.7	36.0	24.7	33.5	27.5	24.6	21.0	21.3	28.7	23.4
Oxsm	2.5	2.7	3.3	2.7	2.7	2.4	2.7	2.9	2.6	2.4	2.5	2.5
Oxsr1	16.4	12.4	9.4	18.6	12.3	19.1	11.2	8.8	10.0	14.1	13.9	12.1
Oxtr	0.2	0.9	3.8	0.1	0.4	0.1	0.5	1.2	0.3	0.3	0.3	0.3
P2rx1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
P2rx3	0.3	0.2	0.3	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.3
P2rx4	18.8	16.6	22.2	28.7	29.5	20.3	23.5	22.7	20.0	20.6	18.7	25.5
P2rx5	0.5	0.4	0.6	0.6	0.5	0.8	0.6	0.5	0.3	0.4	0.4	0.4
P2rx6	0.2	0.5	0.7	0.4	0.4	0.6	0.0	0.7	0.3	0.6	0.3	0.3
P2rx7	4.1	4.1	4.8	4.6	5.1	4.5	2.3	2.6	1.7	3.3	2.8	2.3
P2ry1	0.2	0.3	0.3	0.1	0.4	0.1	0.3	0.3	0.2	0.2	0.1	0.2

Online Table 1

P2ry12	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2ry13	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2ry14	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1
P2ry2	2.6	2.8	2.8	3.4	2.9	2.8	3.0	2.6	1.6	1.6	1.5	1.5
P2ry4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2ry6	5.0	3.8	4.0	7.5	14.0	3.0	4.4	3.0	2.5	2.2	1.7	3.0
P4ha1	187.9	186.2	155.2	183.9	150.3	194.0	183.8	140.0	200.2	193.2	197.9	200.3
P4ha2	48.1	53.8	43.8	67.4	54.3	60.1	53.2	35.5	53.0	40.3	41.1	47.1
P4ha3	3.7	3.8	5.3	4.2	8.0	5.4	10.3	9.5	10.7	7.3	7.0	9.3
P4hb	572.4	519.7	522.7	559.9	543.8	470.1	600.6	653.4	587.6	630.1	629.6	718.5
P4htm	4.1	3.2	3.3	4.5	2.2	6.9	2.4	2.7	2.8	2.6	2.6	3.5
Pa2g4	25.0	21.9	21.1	28.7	24.4	24.2	30.2	21.2	18.7	23.5	24.8	23.3
Pabpc1	108.1	88.5	89.6	121.7	103.3	118.5	109.7	100.0	76.8	93.3	117.4	91.4
Pabpc1l	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Pabpc4	28.4	18.5	18.0	24.1	18.0	27.4	21.7	21.5	18.1	20.4	23.6	21.1
Pabpc4l	0.5	0.6	0.7	0.4	0.3	0.9	0.4	0.5	0.5	0.5	0.5	0.7
Pabpc5	0.3	0.4	0.3	0.2	0.1	0.8	0.3	0.1	0.1	0.2	0.4	0.2
Pabpc6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pabpn1	24.9	23.8	27.3	23.6	22.9	24.0	26.5	22.7	25.9	21.1	24.1	22.9
Pacrg	0.2	0.3	0.5	0.2	0.0	0.6	0.3	0.4	0.1	0.4	0.2	0.3
Pacrgl	2.7	2.7	3.3	2.5	3.0	2.6	2.3	3.6	2.5	2.9	2.6	2.7
Pacs1	2.9	3.4	3.0	2.7	3.0	3.4	3.7	2.6	2.8	2.6	2.7	2.8
Pacs2	19.5	21.2	17.5	21.3	19.2	23.1	18.0	17.6	16.4	13.9	14.4	13.8
Pacsin1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pacsin2	34.0	33.2	28.6	39.3	32.0	34.4	34.2	29.2	28.1	38.9	42.7	31.2
Pacsin3	14.0	17.2	14.6	21.5	15.6	18.5	18.6	14.8	16.3	12.2	13.2	15.1
Padi1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Padi2	0.1	0.0	0.0	0.7	1.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0
Padi3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Padi4	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.1
Paf1	30.3	29.4	34.8	35.2	26.3	26.5	33.1	28.5	24.7	29.8	35.4	38.0
Pafah1b1	41.4	42.7	37.8	41.6	38.5	39.6	38.6	37.6	42.6	42.9	45.7	45.0
Pafah1b2	30.7	31.3	33.0	34.1	29.7	32.5	34.5	30.8	29.9	31.8	38.8	35.9
Pafah1b3	4.8	5.9	4.7	5.0	5.4	5.6	6.7	5.9	7.2	5.9	7.5	6.4
Pafah2	6.5	4.1	2.7	7.4	5.4	6.0	3.8	3.8	4.1	6.1	4.2	4.3
Pag1	1.0	1.4	1.9	1.2	1.5	0.7	1.6	1.5	2.0	1.5	1.2	1.4
Pagr1a	7.6	8.7	9.5	10.7	9.2	8.5	10.1	11.8	10.9	9.3	8.9	9.9
Paics	76.9	59.7	60.2	61.8	48.8	65.4	53.3	57.0	52.3	56.6	59.6	58.3
Paip1	16.7	17.5	15.9	14.3	15.4	15.9	14.6	13.8	16.4	18.6	17.4	18.3
Paip2	120.5	125.4	120.9	116.6	107.6	116.9	103.0	106.7	102.1	116.7	132.2	129.4
Paip2b	12.8	12.3	12.0	12.1	10.2	12.0	10.0	10.6	11.1	10.3	12.9	11.1
Pak1	5.8	5.5	5.2	7.2	7.5	8.0	6.7	5.6	4.2	5.7	5.3	4.4
Pak1ip1	34.0	29.2	25.1	33.9	29.0	29.0	27.2	25.4	26.0	29.7	32.3	29.1
Pak2	13.8	15.0	14.4	16.0	17.3	15.6	16.2	13.8	15.0	16.2	17.8	16.5
Pak3	7.3	7.9	6.5	7.4	5.8	7.5	5.6	4.0	6.2	7.0	8.9	6.5
Pak4	12.4	12.9	11.0	8.5	9.8	9.3	16.1	18.1	16.0	11.3	15.4	12.7
Pak6	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Pak7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Palb2	0.5	0.7	0.8	0.3	0.8	0.2	0.6	0.4	0.6	0.3	0.6	0.3
Pald1	2.3	2.7	2.8	1.9	3.0	1.6	2.4	2.6	2.3	3.1	2.3	2.4
Pald	2.8	3.0	2.5	3.4	5.0	2.4	5.0	2.9	5.2	9.1	7.5	6.1
Palm	15.5	15.2	16.4	15.4	11.1	18.8	16.5	19.1	20.3	13.2	17.1	18.7
Palm2	2.9	2.7	3.1	3.3	2.7	3.1	3.6	2.2	2.7	2.3	2.9	3.4
Palm3	0.6	0.6	0.7	1.2	0.5	0.7	0.6	0.5	0.3	0.4	0.4	0.4
Palmd	0.4	0.1	0.4	0.1	0.1	0.1	0.1	0.7	0.2	2.4	1.4	0.7
Pam	126.5	107.2	121.0	108.1	91.7	109.1	76.7	76.6	69.8	60.9	65.9	84.0
Pam16	34.1	28.5	27.2	36.8	29.8	36.6	27.3	25.5	28.1	38.1	29.5	30.5

Online Table 1

Pamr1	19.8	13.3	9.0	18.7	13.7	17.2	3.4	8.5	4.7	17.7	13.1	11.8
Pan2	1.6	2.1	2.2	1.6	2.2	1.8	2.2	2.2	2.4	1.9	1.6	1.7
Pan3	7.3	8.6	8.8	7.5	8.0	7.0	7.8	8.1	7.9	8.1	7.6	7.5
Pank1	1.9	2.3	2.4	1.2	2.2	2.3	2.0	2.0	2.2	1.6	2.0	1.9
Pank2	7.5	7.0	6.6	6.9	7.3	7.3	7.5	6.9	6.3	7.0	7.2	6.7
Pank3	12.4	15.0	14.4	11.7	11.9	13.1	14.6	14.3	16.0	11.8	18.2	14.4
Pank4	6.5	7.9	5.8	6.3	6.5	7.7	6.3	6.3	6.9	6.4	5.7	5.7
Panx1	15.5	11.5	8.9	17.0	16.5	13.7	11.2	11.1	9.1	9.1	11.6	9.8
Panx2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Paox	4.4	5.1	4.6	3.0	2.8	3.5	3.7	4.6	4.4	3.9	3.4	3.3
Papd4	13.4	12.5	12.3	12.4	12.0	13.1	10.2	10.8	11.6	10.2	12.1	12.3
Papd5	8.3	8.3	8.3	12.9	8.5	11.2	8.0	6.7	7.4	7.8	8.9	8.8
Papd7	4.5	4.5	4.6	4.7	4.7	4.5	6.4	4.8	5.4	4.9	5.2	5.2
Papln	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
Papola	24.8	29.3	26.9	26.3	29.6	25.1	26.2	27.3	27.6	27.7	29.6	27.3
Papolb	0.0	0.2	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.0
Papolg	4.2	4.4	4.8	3.8	4.4	3.8	4.8	4.1	4.5	5.5	5.7	5.4
Pappa	13.4	17.6	22.1	11.6	13.4	8.7	17.7	19.3	24.5	17.2	18.4	20.5
Pappa2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	1.3	0.5	0.3	0.4	0.1
Papss1	21.8	20.1	17.9	16.6	18.5	16.9	22.4	25.9	22.5	21.6	25.9	19.2
Papss2	24.9	22.1	20.7	24.0	21.8	20.3	23.8	24.6	23.2	14.4	24.4	20.8
Paqr3	1.8	2.0	1.7	2.2	1.7	2.1	1.5	2.3	2.2	1.9	1.2	1.9
Paqr4	2.5	4.0	3.9	3.2	3.1	4.2	5.3	5.4	5.0	3.1	4.6	2.8
Paqr5	0.1	0.1	0.3	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0
Paqr6	0.2	0.2	0.3	0.0	0.0	0.1	0.1	0.3	0.1	0.0	0.1	0.1
Paqr7	7.3	5.6	5.5	8.8	7.7	7.6	6.0	5.7	5.5	4.6	4.8	4.1
Paqr8	1.1	1.3	1.8	1.2	1.6	1.2	1.7	2.0	1.4	1.9	1.5	1.7
Paqr9	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pard3	10.1	10.9	11.3	10.1	9.2	9.9	11.0	12.2	11.1	10.2	12.1	11.7
Pard3b	2.4	2.3	2.3	2.5	1.5	3.1	2.4	2.4	1.9	1.9	2.2	2.4
Pard6a	3.1	2.7	2.7	3.7	2.3	3.3	2.9	3.1	3.2	3.4	3.1	2.8
Pard6b	2.3	2.9	2.3	2.3	2.9	2.8	2.9	3.1	3.1	3.5	2.8	2.3
Pard6g	5.0	5.1	4.7	3.6	4.5	4.8	4.8	4.6	4.4	4.7	5.0	4.3
Parg	16.9	16.7	15.5	15.9	15.9	16.7	13.3	13.1	13.2	14.8	14.9	15.6
Park2	1.1	1.0	1.3	0.9	0.6	1.1	0.7	0.8	0.8	0.5	0.7	0.7
Park7	107.5	88.0	79.8	130.1	88.7	118.2	90.1	95.5	79.1	89.9	97.5	87.6
Parl	17.5	14.7	12.3	17.1	16.3	14.9	15.0	16.0	12.7	14.8	18.1	16.2
Parm1	25.0	15.1	7.9	40.2	16.3	26.0	13.2	5.2	6.8	9.0	11.3	10.6
Parn	11.6	11.0	11.4	11.4	8.9	12.8	10.5	12.2	10.3	10.1	11.1	11.6
Parp1	12.8	12.4	13.3	11.6	13.7	10.9	13.0	14.3	10.8	13.4	12.9	12.1
Parp10	3.9	4.1	4.4	4.7	5.2	4.7	3.9	3.4	5.0	4.8	3.5	4.4
Parp11	4.8	5.1	5.2	4.8	4.9	4.2	4.5	3.9	3.9	3.8	3.9	4.1
Parp12	8.3	6.7	8.4	9.2	8.5	8.1	7.5	8.1	7.8	6.7	6.5	8.9
Parp14	5.1	4.3	5.2	7.8	7.1	5.2	4.3	3.3	2.9	2.5	2.6	5.4
Parp16	0.5	0.6	0.8	0.5	0.5	0.8	0.2	0.8	0.6	0.7	0.5	0.5
Parp2	10.7	11.5	13.2	11.1	10.8	11.3	11.0	10.1	9.4	8.1	10.5	10.1
Parp3	80.3	81.1	82.5	95.1	81.2	85.2	92.6	83.6	93.3	70.5	86.6	92.5
Parp4	1.5	1.7	1.9	1.4	1.7	1.7	1.9	1.4	1.6	1.5	1.5	1.6
Parp6	7.2	6.2	5.9	7.6	4.9	8.2	5.2	4.7	5.6	5.3	5.1	4.0
Parp8	6.2	5.6	6.1	7.3	6.4	6.4	5.7	4.5	5.1	6.8	5.7	6.0
Parp9	8.4	6.3	9.3	9.6	9.3	7.1	7.9	8.1	7.8	6.5	6.9	12.6
Parpbp	0.8	1.6	2.4	0.3	2.4	0.3	2.8	1.1	2.2	1.0	1.8	1.5
Pars2	1.4	1.4	1.4	1.0	1.3	1.7	1.1	1.3	1.5	1.3	1.4	1.1
Parva	50.7	50.1	50.8	53.1	47.7	47.0	63.9	52.1	58.5	58.8	67.3	59.6
Parvb	0.4	0.2	0.2	0.6	0.7	0.7	0.7	0.3	0.4	0.5	0.4	0.3
Parvg	0.1	0.0	0.0	1.0	2.3	0.0	0.2	0.1	0.0	0.3	0.0	0.1
Pask	0.9	1.2	1.6	0.6	1.3	0.7	1.5	1.5	1.4	1.1	1.3	1.0

Online Table 1

Pate2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Patl1	1.7	2.1	2.3	2.0	2.1	1.8	2.7	1.9	1.7	1.7	2.5	1.9
Patl2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Patz1	3.4	2.7	3.0	2.4	3.1	3.3	3.0	3.0	2.4	2.3	2.2	2.5
Pawr	16.3	14.8	13.4	16.7	14.8	13.3	17.1	10.8	19.6	34.5	25.1	23.9
Pax2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pax3	1.2	0.5	0.3	2.2	1.0	1.7	0.6	0.5	0.5	0.3	0.3	0.3
Pax6	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Pax9	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paxbp1	5.2	6.2	6.8	5.3	5.6	5.4	5.2	5.6	6.2	6.4	6.7	6.2
Paxip1	2.1	2.3	2.5	2.1	2.2	2.0	2.5	2.5	2.1	1.9	2.2	2.0
Pbdc1	5.8	6.0	6.7	6.7	7.4	6.4	7.4	6.9	5.3	6.8	7.4	6.8
Pbk	2.5	4.2	6.0	0.9	6.2	0.6	7.2	2.5	5.5	2.7	4.4	2.9
Pbld1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Pbld2	0.8	1.4	1.0	0.7	0.7	0.9	0.7	0.9	0.6	0.7	0.9	0.8
Pbp2	2.0	0.6	0.4	1.1	1.2	1.6	3.0	0.4	1.8	2.0	1.2	1.6
Pbrm1	10.9	11.4	12.1	10.7	11.1	12.2	11.4	13.1	11.8	12.0	14.0	13.3
Pbx1	9.2	12.2	14.8	11.4	10.3	9.3	12.6	13.7	11.9	11.2	11.7	13.2
Pbx2	7.4	8.3	8.9	7.1	7.6	8.0	7.2	7.2	7.7	7.9	7.4	8.2
Pbx3	3.6	4.4	5.0	4.0	4.3	3.9	5.7	5.3	5.4	4.7	5.2	5.1
Pbx4	0.8	1.1	1.2	0.8	1.1	1.4	1.0	1.0	0.9	0.9	1.3	1.1
Pbxip1	31.3	28.0	32.3	27.8	32.6	29.3	34.2	35.6	38.2	31.6	33.5	34.7
Pcbd1	2.5	2.3	2.2	2.2	1.2	2.3	0.6	0.9	1.2	1.4	1.6	1.6
Pcbd2	20.3	18.1	18.3	20.7	17.9	21.9	17.1	22.0	16.3	18.4	20.2	18.1
Pcbp1	20.6	21.8	21.2	24.7	24.6	23.9	24.0	25.6	22.0	26.9	22.4	22.2
Pcbp2	7.3	7.2	8.4	6.8	7.9	7.5	9.3	9.1	9.4	10.2	8.4	8.6
Pcbp3	1.6	1.7	2.6	2.0	1.7	2.4	2.2	1.6	1.7	1.4	1.6	1.5
Pcbp4	23.0	22.8	18.7	22.7	19.2	23.5	22.4	23.8	23.2	17.0	20.3	17.1
Pcca	5.5	7.9	7.2	5.3	6.0	5.3	5.4	6.5	6.1	6.2	5.8	6.0
Pccb	11.5	11.9	12.0	14.0	11.4	11.7	12.2	13.9	10.0	9.5	11.6	12.2
Pcdh1	1.5	1.5	1.4	1.3	1.9	2.2	3.1	1.9	2.8	1.4	1.4	1.6
Pcdh10	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pcdh11x	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.2
Pcdh12	0.3	0.1	0.2	0.1	0.3	0.0	0.4	0.4	0.4	0.0	0.0	0.1
Pcdh15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdh17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdh18	9.3	8.5	7.4	10.4	9.6	8.3	14.1	12.3	13.8	6.7	11.5	8.1
Pcdh19	0.5	0.9	1.5	0.4	1.4	0.6	2.8	3.3	2.8	1.0	1.3	1.2
Pcdh20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdh7	13.8	13.4	13.1	12.2	16.1	8.7	20.3	14.1	21.7	24.0	20.7	22.1
Pcdh8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdh9	6.2	4.7	5.1	7.3	4.9	7.6	7.4	3.5	6.8	3.2	4.8	7.1
Pcdha1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdha10	0.3	0.1	0.1	0.5	0.2	0.5	0.2	0.2	0.4	0.2	0.3	0.2
Pcdha11	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pcdha12	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Pcdha2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdha3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdha4	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0
Pcdha4-g	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
Pcdha5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Pcdha6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdha7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdha8	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Pcdha9	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Pcdhac1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdhac2	0.1	0.0	0.0	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1

Online Table 1

Pcdhb10	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Pcdhb11	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.2	0.1
Pcdhb12	0.1	0.2	0.2	0.0	0.1	0.0	0.1	0.2	0.2	0.0	0.1	0.0
Pcdhb13	0.1	0.0	0.2	0.0	0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.1
Pcdhb14	0.6	1.0	1.6	0.8	1.0	1.0	1.2	1.8	1.5	1.0	1.1	1.2
Pcdhb15	0.1	0.2	0.3	0.2	0.1	0.1	0.3	0.4	0.3	0.3	0.2	0.3
Pcdhb16	0.4	0.8	1.3	0.4	0.9	0.5	0.9	1.6	1.2	1.1	1.1	1.0
Pcdhb17	3.4	3.5	4.4	3.2	3.4	2.6	4.0	5.3	3.8	3.3	3.8	3.7
Pcdhb18	0.3	0.5	0.6	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.5
Pcdhb19	0.4	0.6	1.0	0.6	0.5	0.5	0.7	1.1	0.9	0.9	0.8	0.7
Pcdhb2	0.1	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.1	0.2	0.3
Pcdhb20	0.3	0.7	0.9	0.5	0.6	0.4	0.4	1.2	0.9	0.8	0.7	0.6
Pcdhb21	0.7	0.7	0.8	0.5	0.6	0.5	0.8	1.2	1.2	0.6	0.7	0.9
Pcdhb22	3.7	4.3	4.1	4.3	4.3	4.2	4.3	5.5	5.7	5.5	4.9	5.1
Pcdhb3	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.3	0.1	0.2	0.1	0.2
Pcdhb4	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Pcdhb5	0.4	0.4	0.7	0.3	0.5	0.2	0.6	0.8	0.8	0.6	0.5	0.6
Pcdhb7	0.2	0.2	0.4	0.0	0.1	0.2	0.3	0.5	0.3	0.3	0.2	0.2
Pcdhb8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Pcdhb9	0.1	0.2	0.3	0.0	0.1	0.1	0.3	0.4	0.3	0.2	0.0	0.2
Pcdhga1	0.8	0.7	0.7	0.9	0.8	1.0	0.9	0.8	0.6	0.7	0.5	0.9
Pcdhga10	3.1	2.9	3.0	2.9	3.2	4.4	5.4	4.6	4.2	4.1	3.5	4.3
Pcdhga11	0.9	1.0	1.2	1.0	1.1	1.1	1.4	1.5	1.0	1.0	1.1	0.9
Pcdhga12	0.7	0.5	0.7	0.4	0.8	0.6	0.8	0.8	0.5	0.5	0.5	0.4
Pcdhga2	1.1	1.1	1.2	0.6	0.9	1.2	1.2	1.4	1.0	1.2	1.0	1.1
Pcdhga3	0.7	0.9	1.2	0.7	0.7	0.8	1.2	2.3	1.4	1.2	1.3	1.1
Pcdhga4	0.8	1.2	1.5	0.8	1.1	1.0	1.2	1.7	1.2	1.4	0.8	1.2
Pcdhga5	1.2	2.3	2.9	0.8	1.6	1.6	2.2	3.4	2.5	1.8	1.5	2.0
Pcdhga6	0.7	0.9	1.5	0.7	1.1	0.8	1.3	2.1	2.1	1.2	1.2	1.6
Pcdhga7	2.5	3.0	3.3	2.6	2.9	2.4	3.4	3.0	3.8	3.5	3.2	3.1
Pcdhga8	1.8	1.5	1.4	2.2	1.4	2.1	2.0	2.2	1.6	1.5	2.1	1.2
Pcdhga9	0.6	0.4	0.6	0.6	0.5	0.5	0.7	0.7	0.4	0.7	0.6	0.5
Pcdhgb1	0.5	1.1	1.1	0.6	0.6	0.8	1.2	1.6	1.0	0.8	0.9	0.8
Pcdhgb2	4.1	4.6	4.9	2.9	4.2	4.6	4.2	5.2	4.8	3.6	4.2	4.8
Pcdhgb4	3.5	3.6	3.2	4.3	3.4	4.8	3.8	3.1	3.8	3.0	3.7	3.3
Pcdhgb5	1.1	1.4	1.6	1.0	1.2	1.0	2.1	2.3	1.6	1.3	1.7	1.7
Pcdhgb6	1.6	1.8	2.9	2.0	1.8	1.5	2.6	3.9	3.1	2.8	2.4	2.3
Pcdhgb7	0.6	0.8	1.0	0.7	1.0	1.0	1.3	1.4	1.0	1.1	0.8	1.0
Pcdhgb8	0.4	0.3	0.3	0.2	0.3	0.3	0.5	0.4	0.2	0.2	0.4	0.3
Pcdhgc3	27.2	31.1	39.8	33.5	48.4	36.0	54.3	52.0	50.0	35.4	33.1	39.5
Pcdhgc4	0.4	0.7	1.0	0.3	1.1	0.4	1.0	1.4	1.0	0.7	0.5	0.6
Pcdhgc5	3.7	4.2	6.3	3.6	6.4	4.2	7.6	6.3	7.3	6.9	5.0	6.2
Pced1a	4.3	5.2	5.4	5.0	5.4	5.4	5.0	4.9	5.1	5.3	4.8	4.9
Pced1b	0.5	0.4	0.4	1.0	0.6	0.7	0.3	0.5	0.2	0.3	0.3	0.4
Pcf11	5.5	6.3	7.7	5.9	6.6	6.1	6.9	6.1	5.9	7.8	6.7	7.3
Pcgf1	5.4	4.5	4.2	3.6	4.4	4.7	3.8	3.5	4.3	3.8	4.8	4.1
Pcgf2	0.5	0.9	1.3	1.0	0.5	1.2	1.0	1.4	1.1	0.6	1.0	1.1
Pcgf3	20.2	19.2	21.7	23.1	19.7	24.1	20.5	20.8	18.4	18.7	24.3	20.6
Pcgf5	11.4	11.6	8.0	12.5	9.5	10.3	7.8	5.4	6.6	7.5	9.1	9.0
Pcgf6	2.8	2.9	2.4	2.7	2.2	2.7	2.9	2.7	2.3	2.6	2.8	2.3
Pcid2	5.5	6.6	6.4	6.3	5.8	6.5	5.9	6.4	5.8	5.9	6.1	5.9
Pcif1	2.9	3.0	3.7	2.8	3.1	2.6	3.5	4.5	3.7	2.8	2.6	3.0
Pck2	23.9	17.7	16.3	19.3	14.6	24.8	20.0	29.2	26.5	17.6	22.3	15.6
Pclo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcm1	9.3	9.8	10.9	10.0	8.5	9.4	8.4	8.9	7.9	9.0	10.6	11.0
Pcmt1	21.9	19.4	16.5	21.0	20.9	21.8	18.8	17.5	19.4	18.8	21.5	18.3
Pcmt1d1	17.1	14.5	17.3	24.1	13.5	25.6	15.6	13.3	11.6	15.6	21.0	19.7

Online Table 1

Pcmdt2	8.2	8.9	10.3	8.6	8.0	10.2	8.2	8.7	8.7	9.6	9.4	12.2
Pcna	38.7	44.9	47.2	39.0	68.1	26.1	57.9	40.5	42.6	37.8	46.3	37.8
Pcnp	47.1	43.1	50.4	64.9	46.9	61.8	47.8	43.1	43.4	49.4	52.9	58.4
Pcnt	2.3	2.8	3.6	2.1	3.1	2.1	3.7	2.8	2.9	2.3	2.5	2.5
Pcnx	6.8	8.0	7.2	6.5	7.0	8.8	6.9	6.1	6.4	4.2	5.0	4.8
Pcnx12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcnx13	3.9	4.5	4.3	3.6	4.7	4.3	4.8	5.1	5.5	4.4	3.8	3.2
Pcnx14	4.2	5.0	3.9	4.4	3.8	4.7	4.0	3.3	3.8	4.3	3.7	4.6
Pcolce	167.6	180.9	190.5	179.7	165.7	194.0	220.8	229.7	236.3	160.5	182.5	157.8
Pcolce2	32.4	35.4	41.3	27.2	46.2	34.5	82.0	54.9	55.9	44.3	46.5	66.8
Pcp2	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.0
Pcp411	0.0	0.0	0.0	0.5	0.6	0.0	0.1	0.2	0.1	0.1	0.0	0.0
Pcsk1	0.0	0.0	0.0	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcsk2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcsk4	0.1	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Pcsk5	15.6	15.4	19.0	7.8	10.4	5.4	9.3	7.8	8.5	16.8	12.7	16.3
Pcsk6	97.4	137.5	122.5	105.7	86.9	154.1	87.1	81.9	78.5	44.6	51.9	40.6
Pcsk7	5.9	6.9	6.1	6.1	6.6	5.4	6.4	5.8	7.0	5.3	5.5	5.6
Pcsk9	0.2	0.5	0.4	0.0	0.1	0.1	0.2	1.4	0.3	0.2	0.4	0.1
Pctp	2.3	1.8	1.6	3.9	4.3	1.7	1.8	1.4	1.4	2.5	1.9	1.2
Pcx	13.5	12.2	14.0	11.0	11.9	10.8	9.0	9.3	7.7	8.9	7.3	7.0
Pcyox1	53.5	39.8	37.6	56.7	45.8	60.4	38.9	37.1	35.6	42.2	41.2	40.1
Pcyox11	2.5	3.4	3.6	2.5	3.4	2.7	3.9	2.8	3.2	2.7	3.1	2.6
Pcyt1a	16.6	16.6	14.9	19.8	16.3	16.5	17.0	15.9	15.7	15.2	16.2	18.3
Pcyt1b	2.3	2.6	2.3	2.5	2.4	3.0	3.7	4.0	3.1	1.6	3.2	1.8
Pcyt2	11.9	14.4	12.4	7.2	10.6	10.4	16.6	17.4	15.0	9.4	17.0	8.5
Pdap1	39.3	33.2	40.4	51.3	35.0	41.8	47.7	41.1	31.4	36.5	48.2	44.7
Pdcd10	22.9	27.3	26.7	25.9	26.4	23.2	24.9	24.9	26.0	27.1	30.6	32.2
Pdcd11	7.1	6.5	6.3	7.6	7.1	6.8	7.0	7.4	5.8	7.1	7.3	6.8
Pdcd2	14.0	9.9	9.3	13.1	8.9	13.9	9.8	9.8	9.8	13.6	11.3	11.1
Pdcd2l	8.5	7.0	6.7	8.3	7.3	8.0	7.1	6.6	6.9	7.0	6.1	7.2
Pdcd4	27.6	44.4	54.8	24.6	31.4	24.6	38.4	60.5	50.7	39.6	42.0	58.2
Pdcd5	85.0	80.0	79.0	92.6	60.0	83.9	74.1	84.1	66.3	70.9	85.8	81.4
Pdcd6	37.3	33.4	33.2	37.6	31.9	34.9	35.0	35.6	31.2	35.0	39.2	38.2
Pdcd6ip	21.9	23.5	23.0	24.2	26.3	23.3	26.7	23.2	25.5	24.1	27.0	24.6
Pdcd7	3.0	3.3	3.5	2.5	2.7	3.1	2.9	3.0	3.4	3.4	2.9	2.6
Pdcl	10.0	10.2	12.4	13.4	10.6	12.3	12.2	12.8	11.6	12.6	16.0	14.4
Pdcl3	31.8	28.3	27.5	38.2	27.8	28.8	34.4	27.0	31.0	27.6	36.2	33.1
Pddc1	12.2	12.6	10.4	11.7	11.8	12.3	9.9	10.9	12.6	16.3	11.8	12.0
Pde10a	2.4	2.3	2.3	2.9	2.3	2.4	2.8	2.5	2.3	2.0	2.6	2.4
Pde11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pde12	6.6	7.4	5.6	8.1	7.2	6.6	7.2	5.8	6.8	7.1	7.1	6.8
Pde1a	16.1	43.9	65.2	13.5	26.5	14.4	35.8	64.0	40.5	20.9	21.8	30.9
Pde1b	1.2	1.2	0.8	1.6	2.1	1.7	0.8	0.5	0.7	0.8	0.5	0.8
Pde1c	0.2	0.3	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Pde2a	3.1	2.8	2.0	4.7	3.5	4.7	3.8	1.9	3.8	2.3	1.8	2.5
Pde3a	3.7	7.4	8.4	3.2	4.0	3.3	5.7	6.5	7.8	4.6	5.1	7.6
Pde3b	2.2	2.6	3.6	1.3	1.7	1.1	3.4	3.6	3.7	4.0	4.5	5.4
Pde4a	1.1	1.4	1.5	1.6	1.4	1.7	1.6	1.2	1.5	1.4	1.3	1.2
Pde4b	5.2	6.3	6.5	4.3	4.4	5.6	3.6	3.7	3.2	4.1	3.9	5.3
Pde4c	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pde4d	0.8	1.0	1.1	1.1	0.9	1.4	1.1	1.0	0.9	1.3	1.3	1.2
Pde4dip	27.8	22.2	18.9	27.8	23.0	26.2	24.6	19.3	20.6	24.3	27.7	26.9
Pde5a	2.6	3.6	3.5	1.7	2.5	1.9	2.5	3.0	3.7	3.6	3.6	4.3
Pde6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pde6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pde6d	14.9	14.6	16.2	14.1	14.4	15.5	15.1	14.4	15.4	12.9	15.0	14.6

Online Table 1

Pde6g	0.4	0.1	0.3	0.4	0.2	0.2	0.1	0.0	0.1	0.2	0.1	0.2
Pde6h	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1
Pde7a	6.8	7.3	8.9	5.7	7.7	6.3	8.2	10.9	10.0	6.9	8.5	8.6
Pde7b	0.8	0.4	0.3	0.5	0.3	0.6	0.2	0.2	0.1	0.4	0.3	0.3
Pde8a	5.3	5.8	7.4	6.6	7.5	6.0	6.9	6.0	5.3	3.6	5.5	5.3
Pde8b	0.5	0.5	0.2	0.5	0.4	0.4	0.3	0.1	0.3	0.6	0.6	0.4
Pde9a	0.1	0.2	0.5	0.1	0.1	0.1	0.1	1.4	0.1	0.1	0.0	0.1
Pdf	6.5	6.8	5.9	8.5	7.4	8.2	5.4	6.5	7.6	8.1	6.7	7.2
Pdgfa	40.2	34.2	26.0	33.4	25.1	43.8	29.8	28.2	30.9	30.6	36.3	27.5
Pdgfb	1.4	0.3	0.5	2.8	7.8	0.2	1.1	1.0	0.9	0.6	0.3	0.4
Pdgfc	1.1	0.7	0.6	1.0	0.4	1.1	0.7	0.6	1.1	1.4	1.2	1.5
Pdgfd	26.5	18.4	16.0	25.3	13.1	19.2	12.6	6.4	8.8	9.7	10.7	11.7
Pdgfra	28.7	51.2	86.5	31.9	58.8	42.4	54.4	49.1	43.4	46.5	35.0	49.3
Pdgfrb	56.6	77.8	83.8	50.8	71.3	56.6	101.9	89.3	114.4	76.2	74.4	93.2
Pdgfrl	0.6	1.3	3.3	0.7	1.0	1.1	1.8	4.5	2.8	2.2	2.4	2.5
Pdha1	72.9	66.4	63.5	68.6	58.8	65.4	71.8	70.8	70.6	73.3	81.7	83.4
Pdhb	42.3	42.1	33.0	40.1	34.1	36.7	30.8	33.7	36.7	34.6	37.3	33.3
Pdhx	7.8	8.8	8.1	7.7	7.2	6.7	7.7	7.6	7.1	7.4	7.9	6.5
Pdia2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Pdia3	296.6	257.4	258.4	304.0	258.2	260.1	248.9	260.0	244.2	276.1	304.5	309.4
Pdia4	181.1	158.4	157.9	193.6	136.2	167.6	161.9	173.1	152.0	178.5	189.3	176.7
Pdia5	11.1	8.8	10.1	10.3	11.7	10.0	12.3	12.9	11.1	11.1	12.1	13.3
Pdia6	237.5	221.9	207.3	241.5	199.5	214.9	213.0	234.1	226.6	220.1	227.8	216.3
Pdik1l	2.1	2.0	2.1	2.4	2.1	2.2	2.1	1.7	1.7	1.9	1.7	2.1
Pdk1	7.2	7.1	6.7	6.7	7.5	8.2	6.9	4.8	6.9	6.7	5.8	8.4
Pdk2	2.6	3.2	3.5	2.9	2.6	3.5	3.2	3.5	3.2	3.5	2.9	3.0
Pdk3	16.5	20.1	18.4	12.5	16.3	13.1	17.1	20.4	19.8	19.5	21.8	18.5
Pdk4	5.7	6.5	7.1	8.4	7.9	8.8	7.5	2.8	5.5	7.2	6.2	7.7
Pdlim1	81.9	70.3	55.4	127.5	71.1	110.9	71.1	41.9	54.0	75.2	75.6	70.6
Pdlim2	41.3	58.0	59.0	42.0	37.6	49.6	56.3	73.7	58.4	48.1	49.9	46.8
Pdlim3	15.1	52.7	93.4	7.5	38.1	3.4	28.9	64.5	51.4	43.6	31.9	73.5
Pdlim4	0.3	0.1	0.2	2.1	3.3	0.4	0.3	0.1	0.3	2.6	2.5	1.4
Pdlim5	50.3	45.8	45.7	53.1	49.4	48.5	58.1	45.8	57.5	52.3	63.7	59.8
Pdlim7	18.5	19.5	16.4	26.2	25.2	21.5	25.6	19.5	23.9	22.1	26.4	19.1
Pdp1	2.5	2.7	3.3	3.4	3.1	3.3	2.5	4.4	3.3	3.2	2.8	3.4
Pdp2	1.9	2.1	2.0	1.2	2.1	1.6	2.5	2.1	1.9	1.4	2.1	1.7
Pdpk1	13.5	14.7	13.8	15.9	11.1	13.4	13.7	11.7	13.0	11.2	14.4	14.0
Pdpn	233.4	171.4	148.1	273.9	226.2	180.3	223.1	194.0	143.2	299.5	295.5	203.6
Pdpr	4.5	5.5	5.2	4.8	4.8	5.5	5.1	5.5	4.8	4.2	5.5	5.5
Pdrg1	94.0	67.7	60.5	88.2	73.1	77.4	72.5	63.5	68.4	91.5	91.7	76.6
Pds5a	22.9	24.5	21.8	21.2	21.4	22.5	19.9	20.9	18.7	20.7	22.5	21.4
Pds5b	2.1	2.6	3.6	2.0	2.6	2.5	2.8	3.3	2.7	2.9	3.0	3.1
Pdss1	0.8	0.8	0.6	0.9	0.7	0.3	0.9	1.0	1.1	1.0	0.9	0.7
Pdss2	3.1	3.3	2.4	3.4	2.8	3.2	2.4	3.0	3.0	3.3	2.5	2.4
Pdxdc1	68.6	57.0	54.5	70.8	53.1	63.8	55.2	56.5	49.4	61.4	65.2	65.8
Pdxk	6.0	6.2	6.3	6.5	6.1	5.6	5.0	6.3	5.2	5.3	4.8	4.5
Pdxk-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdyp	0.4	1.0	0.7	0.7	1.1	0.6	0.9	0.6	1.0	1.1	0.9	0.9
Pdzd11	37.5	31.4	31.9	40.8	32.6	35.5	34.6	34.3	36.1	38.3	41.9	40.9
Pdzd2	2.4	3.8	5.7	1.4	2.0	1.5	2.0	2.8	1.5	1.5	1.6	1.0
Pdzd3	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Pdzd4	1.8	2.0	2.7	1.9	2.1	2.6	3.1	3.0	2.9	2.3	3.0	2.5
Pdzd7	0.7	0.8	1.0	0.6	0.6	1.1	0.8	0.9	0.6	1.0	0.9	1.0
Pdzd8	13.0	12.2	13.4	13.4	11.2	11.7	14.2	13.5	13.5	11.8	15.1	14.2
Pdzd9	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.3	0.3
Pdzk1	1.1	0.8	0.4	1.0	0.8	0.8	0.9	0.8	0.9	0.7	0.6	0.8
Pdzk1ip1	0.3	0.1	0.1	0.1	0.0	0.1	0.2	0.4	0.0	0.0	0.2	0.1

Online Table 1

Pdzrn3	24.6	33.9	40.7	25.1	32.8	25.1	60.0	55.3	59.8	55.0	61.7	72.0
Pdzrn4	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.1
Pea15a	211.6	196.4	156.5	308.9	198.9	240.5	213.8	140.8	188.4	174.7	205.3	178.0
Pear1	5.9	6.5	6.2	6.4	7.1	8.0	8.1	5.7	7.4	8.1	5.2	5.5
Pebp1	184.3	137.7	109.2	160.2	136.0	170.6	117.4	120.2	129.4	157.5	133.5	132.3
Pecam1	4.0	0.9	2.3	1.2	1.1	1.0	2.4	4.5	2.9	0.4	0.5	0.7
Pecr	7.5	5.6	4.2	8.3	4.5	8.0	5.3	4.4	3.5	4.2	4.6	4.6
Pef1	29.2	24.3	19.0	29.1	23.2	24.7	25.0	26.6	28.1	29.9	30.6	24.7
Peg10	56.3	198.8	177.8	35.5	80.5	29.1	67.9	88.2	87.5	63.3	71.4	77.2
Peg12	1.0	0.9	1.0	0.8	0.8	1.5	1.4	1.1	1.3	0.9	1.0	0.9
Peg13	4.7	3.5	3.9	5.3	4.0	5.3	4.8	4.3	4.8	4.8	4.3	4.1
Peg3	1.6	1.7	1.7	1.6	1.1	1.3	1.2	1.8	1.2	2.2	2.7	1.7
Peg3as	2.1	1.9	1.3	1.7	0.9	1.1	0.9	1.7	1.4	2.5	2.9	2.6
Peli1	3.2	4.1	4.8	2.7	3.7	3.0	3.7	4.7	3.9	4.1	4.0	4.6
Peli2	1.0	1.1	1.5	2.0	0.9	1.3	1.0	1.7	1.7	1.1	1.0	1.0
Peli3	1.6	1.2	1.2	1.0	0.9	1.6	1.0	0.4	0.8	1.1	0.7	0.9
Pelo	8.4	7.6	7.9	6.1	6.7	7.2	6.7	9.0	7.3	9.4	8.8	7.1
Pelp1	3.9	4.5	4.5	4.0	4.8	4.3	4.7	3.6	4.1	4.4	3.7	3.7
Pemt	2.8	0.8	0.9	0.9	1.3	1.3	2.1	1.3	1.6	2.2	1.9	1.1
Peo1	3.1	3.2	2.9	3.1	2.3	3.4	2.9	2.9	2.4	3.4	3.4	3.1
Pepd	15.7	15.9	11.6	18.0	15.7	16.8	12.8	13.2	12.4	14.3	12.9	13.4
Per1	1.1	1.7	1.4	1.4	1.1	1.5	1.2	1.0	1.4	1.6	1.2	1.0
Per2	0.6	0.7	0.8	0.7	0.7	0.9	0.9	0.6	0.7	1.2	0.9	0.9
Per3	5.2	7.5	8.5	4.0	4.8	5.6	5.0	7.5	5.8	4.1	4.2	4.6
Perp	11.2	4.7	2.7	3.4	2.4	4.8	1.8	1.0	1.0	8.5	4.5	3.5
Pes1	26.5	21.9	18.8	32.3	23.6	27.6	24.9	21.1	19.4	23.3	24.1	23.5
Pet100	15.6	16.6	19.8	20.4	16.7	19.5	20.5	17.3	14.7	15.2	18.0	20.3
Pet112	4.0	4.4	4.0	3.3	3.1	4.4	2.6	3.9	3.2	3.2	3.4	3.1
Pet117	0.0	0.3	0.6	0.9	0.0	1.7	0.6	2.2	0.2	2.2	0.7	1.8
Pet2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pex1	2.2	2.1	2.3	2.1	2.3	2.2	1.7	1.7	1.6	2.1	1.8	1.9
Pex10	1.6	1.9	1.8	1.5	1.4	1.6	1.4	2.0	1.5	1.7	1.8	1.4
Pex11a	1.2	1.1	0.6	1.0	0.8	1.6	0.9	0.7	0.4	1.8	0.8	1.1
Pex11b	13.7	12.5	12.1	10.8	12.2	15.0	12.8	12.4	12.2	13.7	10.7	12.2
Pex11c	2.4	2.7	2.5	2.5	2.2	2.9	2.5	3.3	3.2	3.2	2.4	1.8
Pex12	2.8	3.4	3.7	4.2	3.0	4.9	3.2	3.0	2.8	3.5	2.7	3.3
Pex13	8.5	9.0	7.6	7.5	8.1	8.6	7.2	7.4	8.9	10.9	9.9	10.5
Pex14	19.2	21.1	18.5	20.8	17.3	17.9	21.8	19.1	19.7	18.0	19.5	18.3
Pex16	6.1	7.8	6.3	8.0	6.0	7.5	8.4	6.6	7.5	6.2	5.7	6.4
Pex19	41.4	48.0	44.2	43.2	38.2	39.0	39.7	42.5	45.5	36.1	38.8	38.7
Pex2	14.6	12.6	11.8	11.0	12.0	10.2	12.0	13.1	15.5	14.1	14.3	13.8
Pex26	1.4	1.3	1.1	1.5	1.3	1.5	1.2	1.2	1.3	1.5	1.2	1.2
Pex3	11.7	12.0	10.3	10.0	10.1	12.2	10.2	9.3	9.9	10.2	10.2	11.4
Pex5	17.1	15.0	13.5	13.1	14.1	14.8	12.6	12.6	14.4	13.9	14.0	11.4
Pex5l	1.6	0.5	0.1	1.3	0.1	0.2	0.2	0.0	0.2	0.1	0.3	0.2
Pex6	8.7	10.7	9.2	6.6	8.2	9.2	8.0	8.5	9.4	9.9	6.9	7.4
Pex7	15.2	15.1	11.8	13.0	10.8	11.4	11.1	10.1	9.6	12.2	11.9	12.0
Pf4	3.6	3.0	2.7	6.5	9.6	3.0	2.6	1.4	1.2	1.4	0.5	1.0
Pfas	4.1	4.0	3.5	4.5	4.3	3.9	3.9	4.2	3.8	3.2	3.5	3.1
Pfdn1	42.5	32.2	32.0	43.7	34.7	39.6	34.1	33.3	29.2	39.3	40.3	40.3
Pfdn2	11.9	12.2	13.3	14.6	13.4	15.3	12.3	11.4	9.4	15.6	14.1	14.6
Pfdn4	32.1	25.9	25.3	25.9	22.7	25.5	22.4	22.4	25.0	26.2	31.5	27.4
Pfdn5	170.9	141.4	162.3	177.3	134.4	181.2	169.1	172.7	132.9	160.1	165.9	179.9
Pfkfb1	0.3	0.7	0.8	0.3	0.4	0.4	0.8	0.4	0.7	0.5	0.4	0.4
Pfkfb2	6.2	5.7	5.2	6.1	4.3	4.9	4.2	4.2	3.9	5.4	5.5	5.4
Pfkfb3	4.8	4.4	2.7	5.3	5.1	4.6	5.2	3.0	4.9	5.0	5.1	4.6
Pfkfb4	1.8	1.9	1.7	2.0	2.6	2.2	2.4	2.1	2.1	1.6	2.0	1.6

Online Table 1

Pfkl	21.1	21.7	22.6	17.5	27.1	21.8	27.8	19.7	28.5	26.5	22.2	32.4
Pfkm	15.5	16.1	16.2	16.9	14.2	19.3	15.3	14.3	12.9	15.0	13.7	14.8
Pfkp	17.8	17.6	15.1	21.1	23.4	19.7	16.5	14.2	14.3	11.4	15.0	13.5
Pfn1	264.7	204.9	204.4	339.9	348.3	243.0	305.8	272.8	282.7	278.9	276.0	232.4
Pfn2	37.3	32.8	30.5	44.7	30.7	47.4	33.8	32.9	30.0	38.3	38.9	40.3
Pfn4	0.2	0.4	0.4	0.3	0.1	0.4	0.1	0.3	0.1	0.3	0.3	0.5
Pgam1	207.9	175.6	126.6	224.3	220.6	212.4	190.6	155.2	177.0	181.4	179.1	166.0
Pgam2	3.2	3.3	5.5	1.3	2.0	2.4	1.7	2.5	2.9	1.9	2.1	4.6
Pgam5	16.5	12.7	10.6	13.3	12.0	15.0	12.8	11.3	12.3	14.4	12.6	11.6
Pgap1	0.5	0.7	0.7	0.8	0.9	0.7	0.6	0.9	0.9	1.1	1.0	0.9
Pgap2	20.7	20.3	16.2	20.0	17.4	22.1	16.5	17.0	15.9	16.6	15.7	16.0
Pgap3	0.7	0.7	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.6	0.5
Pgbd1	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.1	0.3	0.2	0.3
Pgbd5	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.0	0.2	0.2
Pgd	61.6	66.2	47.0	109.9	99.5	96.2	61.5	66.9	41.3	53.9	53.6	45.4
Pgf	4.5	1.5	3.5	0.9	0.8	0.8	1.8	5.7	3.3	0.7	0.9	1.5
Pggt1b	7.6	7.8	8.5	7.8	8.6	8.6	7.4	6.7	7.9	7.2	7.6	8.3
Pgk1	198.8	157.4	114.3	195.4	250.7	157.3	160.9	133.7	173.3	158.5	153.3	162.2
Pgls	54.9	39.7	31.8	44.8	39.3	41.4	42.1	39.9	39.6	49.4	36.5	37.5
Pglyrp1	0.1	0.1	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.1	0.0	0.0
Pglyrp3	0.3	0.1	0.0	0.3	0.1	0.0	0.1	0.1	0.1	0.3	0.2	0.1
Pgm1	7.2	8.0	7.7	9.3	8.5	8.0	8.4	8.4	7.7	8.8	8.8	9.5
Pgm2	36.3	34.6	30.4	40.4	32.9	45.0	33.7	33.9	29.5	33.8	33.4	33.8
Pgm2l1	0.7	0.6	0.8	2.0	2.4	0.8	0.7	0.8	0.6	0.5	0.7	0.6
Pgm3	10.3	9.3	8.5	11.2	9.4	9.8	10.1	9.3	8.9	9.6	11.3	11.0
Pgm5	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.0	0.1	0.0	0.1
Pgp	15.2	13.2	9.5	9.7	12.1	10.3	15.9	12.8	14.8	14.6	12.4	11.5
Pgpep1	9.6	9.1	7.1	8.4	6.7	10.4	7.0	7.0	7.3	8.2	8.5	8.6
Pgpep1l	3.3	2.8	1.4	2.7	2.8	4.7	2.0	3.3	2.3	2.2	2.2	1.1
Pgr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pgrmc1	98.8	94.3	76.1	110.1	76.3	122.4	68.6	67.5	75.1	112.4	96.5	93.0
Pgrmc2	18.3	17.4	17.8	17.8	13.7	15.8	17.6	15.1	17.7	18.7	19.3	19.4
Pgs1	15.9	17.7	14.6	15.5	18.3	12.7	20.2	16.8	18.5	17.0	17.0	16.2
Phactr1	3.7	4.7	5.1	5.3	4.0	5.1	4.4	4.5	3.8	2.5	3.0	3.4
Phactr2	6.6	5.3	4.8	9.8	4.7	7.6	5.6	4.0	4.1	3.6	4.8	4.8
Phactr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phactr4	1.6	2.1	2.1	2.1	2.0	2.0	2.9	2.1	1.9	1.5	1.6	1.4
Phax	26.3	23.7	26.8	26.4	22.6	24.6	25.6	25.6	22.3	28.3	30.3	31.4
Phb	58.5	51.4	41.8	61.3	48.0	51.6	54.0	47.0	48.0	53.0	52.4	44.3
Phb2	50.3	44.1	40.4	47.9	45.1	46.9	47.5	49.0	44.7	44.9	50.0	42.1
Phc1	1.9	1.9	2.1	1.8	1.7	2.2	2.5	2.5	2.2	1.8	1.9	1.8
Phc2	10.5	10.4	9.6	11.5	14.2	9.5	15.2	11.5	13.5	14.9	12.5	12.4
Phc3	4.5	5.4	5.3	4.7	4.6	4.7	4.6	4.7	4.0	4.3	4.5	4.5
Phex	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phf1	7.6	10.6	10.0	8.6	7.6	9.0	9.0	7.6	10.1	8.8	6.7	8.2
Phf10	36.2	38.4	41.3	33.2	27.4	32.2	29.4	38.6	33.3	31.6	35.3	38.2
Phf11a	1.5	0.7	1.6	2.2	1.3	1.1	0.8	0.7	0.6	0.4	0.3	0.9
Phf11b	2.3	1.2	1.6	4.9	2.2	1.4	0.6	0.4	0.5	0.5	0.5	0.8
Phf11c	0.8	0.6	0.6	0.8	0.7	0.6	0.4	0.6	0.4	0.5	0.2	0.4
Phf11d	7.8	4.9	8.9	13.3	5.2	6.9	3.7	3.0	2.5	1.4	2.4	6.0
Phf12	1.8	3.0	3.1	2.2	2.6	2.1	2.3	3.0	2.4	1.9	2.6	2.0
Phf13	4.0	5.5	4.8	2.5	4.3	4.6	5.2	3.7	5.1	4.8	4.7	3.7
Phf14	8.8	9.1	10.3	9.3	7.6	8.0	8.5	9.6	7.8	8.7	9.1	11.0
Phf15	3.0	2.5	3.2	4.5	4.8	2.5	2.8	2.0	1.5	3.8	2.7	2.5
Phf16	2.4	1.8	1.4	1.8	1.8	2.2	1.4	1.4	1.2	2.3	2.1	2.0
Phf17	21.3	26.3	26.4	20.2	17.9	21.7	20.5	23.6	25.9	26.1	31.6	32.3
Phf19	0.3	0.4	0.7	0.3	0.7	0.3	1.0	0.4	0.7	0.3	0.4	0.5

Online Table 1

Phf2	4.0	5.4	5.9	4.7	4.6	5.4	5.3	5.3	5.0	4.7	5.0	4.3
Phf20	5.8	7.0	6.8	5.4	6.2	6.9	6.7	6.5	6.7	6.8	6.7	7.8
Phf2011	5.4	5.7	6.2	6.0	5.8	5.4	6.6	6.9	5.8	6.9	7.5	6.9
Phf21a	4.2	4.4	5.4	4.3	3.8	4.6	4.0	4.9	3.7	3.7	4.0	4.0
Phf21b	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.2
Phf23	18.8	19.4	19.2	19.6	20.8	17.9	22.4	21.9	22.7	21.5	20.3	22.6
Phf3	20.1	22.1	22.6	19.4	17.2	19.4	21.3	20.2	18.0	19.2	23.1	24.2
Phf5a	11.5	10.4	8.9	11.2	10.8	9.2	10.1	10.2	11.0	11.8	8.5	9.5
Phf6	3.5	4.6	5.0	4.6	4.4	4.0	3.9	4.2	3.7	4.5	5.5	4.5
Phf7	1.6	2.0	1.9	1.3	1.5	1.8	1.6	1.7	1.4	1.6	1.6	1.7
Phf8	11.3	11.0	9.7	9.2	9.2	6.7	10.9	8.3	10.9	8.9	11.0	9.9
Phgdh	65.8	42.5	28.7	52.2	30.4	55.9	46.1	73.6	57.3	51.1	60.6	33.1
Phip	5.1	6.3	7.2	5.2	7.1	5.3	5.6	6.3	5.9	6.7	6.9	7.1
Phka1	3.6	4.0	3.9	3.8	3.5	4.2	3.6	3.7	3.4	2.8	3.6	3.4
Phka2	2.5	2.7	3.1	2.6	4.1	2.2	2.9	3.1	2.9	2.8	2.7	2.6
Phkb	12.4	12.0	10.7	12.8	10.5	14.1	10.9	12.9	11.4	11.1	12.2	11.3
Phkg1	0.6	0.6	1.2	0.7	0.5	1.3	0.4	1.0	0.5	0.5	0.5	0.8
Phkg2	6.9	5.5	4.4	6.3	5.6	6.4	5.6	4.9	6.2	5.6	5.5	4.8
Phlda1	1.5	1.3	0.8	1.3	2.6	1.0	1.2	0.5	1.0	2.3	1.4	1.0
Phlda2	0.3	0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.4	0.0
Phlda3	116.9	129.0	114.8	88.7	105.2	94.2	124.1	150.8	157.1	146.1	130.3	135.9
Phldb1	29.6	29.3	26.0	30.2	27.5	30.5	39.1	34.3	30.9	28.9	34.7	28.1
Phldb2	94.8	126.4	142.5	79.2	106.1	74.6	132.8	131.1	144.8	111.4	136.6	168.7
Phldb3	0.6	0.3	0.3	1.1	0.6	0.5	0.6	0.2	0.3	1.1	0.8	0.4
Phlpp1	1.8	2.1	1.7	2.1	1.7	2.0	2.1	1.6	2.5	2.1	2.3	2.0
Phlpp2	1.3	1.8	1.6	1.2	1.5	1.2	1.8	1.7	1.9	1.6	1.7	1.4
Phospho1	0.1	0.2	0.1	0.3	0.2	0.3	0.1	0.2	0.2	0.1	0.1	0.2
Phospho2	11.9	12.9	10.9	13.6	11.4	12.2	8.9	10.3	10.7	12.3	11.3	13.2
Phox2a	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.0
Phpt1	10.0	9.6	10.6	8.5	6.9	9.2	7.3	12.7	8.4	13.5	10.6	10.2
Phrf1	7.0	8.1	8.0	8.0	8.0	7.4	9.2	8.7	7.7	7.4	7.3	7.9
Phtf1	29.1	27.4	25.5	32.0	26.2	34.9	29.9	23.8	25.4	26.3	32.0	29.4
Phtf2	3.2	2.9	3.0	2.8	3.3	2.6	2.8	2.5	3.0	3.2	3.2	3.0
Phxr4	0.3	1.0	0.9	0.7	0.5	0.4	0.9	0.6	0.3	0.5	0.7	0.3
Phyh	10.8	10.9	15.0	10.8	8.8	12.9	8.6	14.9	8.6	6.8	8.3	10.7
Phyhd1	14.4	9.6	9.2	11.1	7.2	15.5	11.2	22.6	19.1	13.4	14.0	13.8
Phyhip	0.6	0.8	0.9	0.4	0.5	0.3	0.5	0.6	0.3	0.6	0.4	0.6
Phyhipl	0.8	2.0	4.6	1.0	1.5	1.3	2.0	4.0	3.2	1.8	2.1	2.4
Pi15	0.4	0.5	2.5	0.3	0.7	0.3	0.9	3.8	2.2	0.6	0.8	1.3
Pi16	0.7	1.0	2.7	0.3	0.4	0.1	0.3	2.7	0.4	0.3	0.6	0.5
Pi4k2a	10.1	10.3	8.6	9.6	10.6	10.4	10.0	8.8	9.2	8.7	9.0	8.5
Pi4k2b	14.9	16.5	15.6	15.0	13.6	14.5	15.0	12.9	13.7	13.1	14.5	15.6
Pi4ka	16.0	14.8	13.6	18.9	16.3	16.9	16.5	14.1	13.9	14.0	14.9	14.6
Pi4kb	14.8	15.2	15.0	14.4	13.1	14.9	13.3	15.2	14.2	14.2	14.1	14.4
Pianp	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Pias1	5.5	7.0	7.1	6.0	5.3	5.7	6.3	6.6	6.0	5.9	6.3	6.4
Pias2	9.4	9.7	10.2	9.8	9.8	9.5	9.5	8.5	7.9	9.8	9.7	10.0
Pias3	6.6	7.1	7.0	5.8	6.0	6.1	7.1	6.8	7.2	6.4	6.7	6.5
Pias4	6.4	7.9	6.0	6.3	7.7	7.0	5.7	7.5	6.9	7.3	5.9	6.1
Pibf1	5.5	5.1	5.8	5.3	5.2	5.6	4.7	4.6	4.8	5.8	6.1	5.7
Picalm	54.6	63.4	79.9	64.3	79.6	57.8	65.0	76.6	67.3	69.7	81.7	83.6
Pick1	3.0	2.2	2.4	3.1	2.2	3.0	2.4	3.2	2.0	2.7	2.4	2.2
Pid1	10.1	8.7	9.3	13.0	18.2	6.7	10.4	8.0	11.3	8.7	9.0	9.4
Piezo1	23.8	19.6	15.9	19.1	19.4	19.0	24.5	15.0	18.4	31.8	25.2	17.2
Piezo2	1.8	3.2	3.5	1.5	3.5	1.7	6.8	5.1	7.5	9.3	8.2	9.9
Pif1	0.3	0.6	0.8	0.0	0.6	0.1	1.0	0.4	1.2	0.3	0.7	0.4
Piga	1.2	1.6	2.0	1.0	1.5	1.0	1.5	1.8	2.1	1.8	1.4	1.6

Online Table 1

Pigb	3.5	3.3	3.1	3.5	2.7	3.4	3.1	2.9	2.8	2.9	2.7	2.5
Pigc	5.6	6.8	6.3	5.6	6.1	6.6	5.8	6.5	7.7	6.6	6.5	7.3
Pigf	23.3	24.5	23.0	22.4	24.2	25.5	24.3	25.1	23.0	23.8	29.4	25.9
Pigg	7.1	8.0	6.6	7.4	6.2	7.9	6.1	6.0	7.1	6.4	6.7	6.7
Pigh	7.8	8.2	8.2	9.0	7.4	9.3	9.6	8.7	9.0	9.2	10.5	9.0
Pigk	34.4	30.4	27.6	32.4	28.8	36.4	27.6	26.8	28.3	27.6	28.6	29.5
Pigl	1.5	1.8	1.5	1.9	1.7	2.1	1.1	1.8	1.4	1.5	1.9	1.3
Pigm	2.6	2.7	2.2	2.8	2.9	2.6	2.6	2.4	2.7	2.6	2.4	2.3
Pign	9.5	10.6	10.9	9.2	10.8	8.3	10.5	10.9	11.2	11.1	11.2	11.1
Pigo	0.8	1.3	1.0	0.8	1.2	0.8	1.3	1.8	1.8	1.2	0.8	1.0
Pigp	33.5	34.9	31.2	27.7	28.9	28.0	28.1	30.5	36.0	35.3	31.6	35.0
Pigq	8.7	7.9	7.5	10.8	8.4	9.5	7.7	8.5	7.5	6.9	7.3	7.4
Pigs	22.1	18.1	16.7	21.0	23.1	23.5	21.4	23.9	21.5	19.2	18.0	17.7
Pigt	6.7	6.7	8.4	8.1	8.3	8.3	8.9	8.2	6.8	6.7	6.8	6.7
Pigu	8.2	7.1	8.9	7.9	9.5	8.4	10.2	11.9	9.5	8.3	9.9	8.7
Pigv	3.5	2.9	2.1	3.8	3.3	2.8	3.1	3.1	3.8	3.3	3.1	3.0
Pigw	0.5	0.7	0.7	1.0	0.9	0.9	0.8	1.0	0.8	0.9	0.9	0.9
Pigx	13.5	11.2	12.1	13.7	9.6	12.8	9.4	10.5	12.3	11.4	12.8	12.7
Pigy	16.0	17.5	17.5	12.8	14.1	15.7	16.4	15.9	21.2	27.1	19.4	19.3
Pigz	0.1	0.2	0.2	0.4	0.4	0.0	0.4	0.3	0.1	0.1	0.2	0.2
Pih1d1	19.0	15.6	17.7	17.4	17.0	18.0	17.5	19.1	19.0	14.9	16.0	14.8
Pih1d2	0.7	0.9	0.6	0.8	0.8	1.3	0.7	0.7	0.7	0.7	0.9	0.5
Pik3ap1	1.6	0.0	0.0	8.9	18.4	0.0	2.7	0.3	0.4	1.5	0.4	1.2
Pik3c2a	17.5	17.1	15.2	18.1	20.1	15.9	16.9	15.6	16.4	17.5	21.4	18.7
Pik3c2b	0.2	0.2	0.2	0.3	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1
Pik3c3	11.6	13.0	13.4	10.3	11.9	11.2	9.8	11.5	10.7	11.4	11.8	11.5
Pik3ca	14.1	14.9	13.4	14.4	14.0	15.3	12.3	12.0	13.7	15.0	15.8	15.6
Pik3cb	4.2	3.0	2.5	4.5	5.7	3.8	3.5	2.9	4.1	4.1	5.1	3.7
Pik3cd	1.4	1.6	1.3	2.2	3.2	1.6	1.6	1.2	1.1	1.3	1.2	1.1
Pik3cg	0.3	0.0	0.0	1.5	3.2	0.0	0.3	0.1	0.1	0.2	0.1	0.2
Pik3ip1	8.4	9.0	11.1	7.7	4.9	13.2	4.1	9.5	6.4	9.0	6.2	7.2
Pik3r1	15.4	19.5	26.8	17.7	23.8	15.2	22.6	24.1	21.6	16.6	19.4	23.8
Pik3r2	14.3	14.1	12.3	14.5	11.7	15.2	15.6	16.3	14.6	16.1	14.0	14.4
Pik3r3	9.3	8.6	11.1	10.5	12.6	7.2	12.7	13.7	12.9	16.4	16.9	17.5
Pik3r4	10.3	10.9	11.4	9.8	9.7	10.0	9.7	10.2	9.7	8.9	8.6	9.5
Pik3r5	0.6	0.2	0.1	2.5	4.8	0.3	0.8	0.2	0.2	0.4	0.2	0.5
Pik3r6	0.1	0.0	0.0	0.3	0.8	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Pikfyve	6.9	7.3	6.7	6.6	6.3	6.8	5.7	6.5	6.1	6.3	6.6	6.7
Pilra	1.2	0.1	0.2	8.0	18.4	0.1	2.2	0.2	0.7	1.3	0.5	1.2
Pilrb1	0.5	0.0	0.0	5.3	9.7	0.0	0.8	0.0	0.1	0.8	0.1	0.6
Pilrb2	0.3	0.0	0.0	3.0	5.0	0.0	0.5	0.1	0.1	0.3	0.0	0.3
Pim1	7.2	8.1	9.5	7.9	10.4	6.1	6.7	8.8	7.4	7.8	6.0	7.7
Pim2	1.0	1.2	1.0	1.1	1.3	1.1	1.6	0.9	1.0	1.0	1.0	0.7
Pim3	6.5	8.0	6.4	3.6	4.3	5.1	5.6	6.9	8.5	9.2	6.8	7.4
Pin1	12.6	10.9	7.8	12.3	10.4	10.1	10.4	8.8	9.8	10.8	10.2	8.6
Pin1-ps1	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Pin4	60.3	49.2	50.5	63.3	47.5	59.3	44.7	39.5	35.0	49.7	54.6	53.3
Pink1	49.0	41.4	35.0	53.7	34.8	63.8	43.1	35.6	41.1	42.7	40.2	44.7
Pinx1	8.2	6.1	7.5	12.0	7.5	8.2	8.0	7.1	4.9	6.5	8.6	7.9
Pion	1.4	1.0	1.2	2.6	6.1	1.7	1.4	0.7	0.9	1.1	1.0	1.1
Pip4k2a	13.1	14.3	14.2	19.8	15.4	15.6	15.0	12.0	14.0	12.5	15.6	15.8
Pip4k2b	17.6	18.2	16.7	19.9	17.0	18.9	17.7	14.3	14.8	15.7	17.0	15.1
Pip4k2c	13.0	11.6	11.7	15.4	11.7	16.5	11.7	9.5	10.9	10.9	9.7	11.2
Pip5k1a	16.2	15.1	16.4	15.6	14.0	14.3	16.8	16.5	17.1	16.6	15.8	17.3
Pip5k1b	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Pip5k1c	14.2	13.3	10.8	19.0	15.7	16.6	15.7	11.8	12.4	11.3	13.0	10.8
Pipox	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Pir	21.2	23.2	22.9	21.6	15.4	24.3	19.9	23.0	19.1	13.3	15.6	17.9
Pira1	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pira11	0.0	0.0	0.0	2.0	2.8	0.0	0.4	0.0	0.1	0.2	0.1	0.2
Pira2	0.2	0.0	0.0	1.8	2.9	0.0	0.3	0.1	0.1	0.2	0.0	0.2
Pira4	0.2	0.0	0.0	1.6	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.1
Pira6	0.2	0.0	0.0	1.6	2.1	0.0	0.2	0.0	0.0	0.2	0.1	0.2
Pira7	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pisd	20.1	16.8	15.5	23.7	20.8	19.3	18.4	16.9	19.2	18.2	17.8	17.1
Pisd-ps1	35.9	37.1	30.4	31.8	29.4	40.5	32.0	22.5	33.5	29.9	29.9	26.7
Pisd-ps2	8.2	9.1	6.9	7.8	7.4	11.0	6.5	5.7	9.7	6.6	5.8	7.1
Pithd1	8.7	9.8	8.7	9.9	8.4	10.7	9.4	9.4	9.4	7.8	9.2	9.1
Pitpna	30.8	24.7	24.2	39.8	38.0	28.8	35.6	27.1	27.1	30.4	35.2	34.0
Pitpnb	10.7	13.1	13.3	12.3	12.8	12.5	14.7	14.1	13.8	13.1	14.3	12.7
Pitpnc1	1.4	1.4	1.4	1.7	1.9	1.3	1.0	0.8	0.9	1.4	1.4	1.0
Pitpnm1	6.9	6.8	6.0	7.9	7.3	8.7	6.4	5.1	5.9	5.0	5.5	4.9
Pitpnm2	1.7	2.1	2.0	1.6	1.7	2.1	1.8	1.9	1.6	1.7	1.5	1.4
Pitpnm3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pitrm1	22.6	21.2	22.9	25.1	23.0	27.1	23.0	22.1	21.5	18.6	24.8	21.1
Pitx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Pitx2	0.1	0.1	0.0	0.2	0.0	0.3	0.1	0.1	0.1	0.3	0.3	0.3
Piwil2	0.4	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.1	0.3	0.2	0.2
Piwil4	0.2	0.2	0.1	0.4	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1
Pja1	23.3	21.2	20.3	24.7	18.4	25.0	20.9	19.6	19.7	25.0	24.7	22.3
Pja2	39.1	43.2	41.4	44.6	38.0	45.3	44.1	38.1	37.7	41.0	46.1	47.1
Pkd1	11.2	11.7	11.0	10.2	12.3	12.1	16.3	15.1	15.9	10.5	10.6	10.3
Pkd1I2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pkd1I3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pkd2	43.8	38.9	41.9	47.9	41.6	49.8	51.3	40.1	43.3	34.5	42.3	45.1
Pkd2I2	0.2	0.3	0.2	0.1	0.4	0.2	0.2	0.2	0.2	0.5	0.3	0.3
Pkdcc	1.7	2.9	2.6	1.6	2.1	1.7	2.4	3.0	3.8	7.4	3.1	3.3
Pkdrej	0.1	0.2	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1
Pkhd1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pkhd1I1	9.7	2.8	1.4	0.6	0.5	0.5	0.3	1.5	1.1	20.7	9.5	4.2
Pkia	13.8	11.4	11.6	10.9	8.8	10.6	10.1	8.8	12.1	12.8	13.1	16.6
Pkib	0.2	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pkig	34.3	42.4	39.6	30.8	31.8	27.5	33.1	30.7	44.3	28.1	28.4	35.2
Pkm	432.4	382.5	327.7	588.7	614.5	425.3	421.9	405.2	310.0	398.1	382.0	351.3
Pkmyt1	0.5	1.1	1.6	0.6	1.2	0.8	2.7	1.9	2.4	0.8	1.1	0.7
Pkn1	20.4	15.2	11.6	20.2	16.7	17.7	16.2	12.8	14.3	14.6	14.6	13.7
Pkn2	20.1	22.5	20.9	18.5	16.3	20.5	17.6	17.9	19.1	18.8	22.8	21.2
Pkn3	0.6	0.8	1.2	0.4	0.8	0.6	1.0	0.5	0.8	0.5	0.6	0.5
Pknox1	3.4	4.0	3.6	3.9	3.8	3.7	3.1	3.3	3.6	4.9	4.1	3.9
Pknox2	3.8	5.2	8.7	3.5	5.1	2.5	5.9	8.9	5.9	3.0	3.7	4.6
Pkp1	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.1
Pkp2	2.1	0.6	0.3	1.9	0.8	1.5	0.5	0.3	0.6	3.1	1.7	0.9
Pkp3	0.5	0.4	0.2	0.2	0.4	0.3	0.1	0.1	0.2	0.2	0.2	0.2
Pkp4	9.0	9.3	9.3	10.6	10.1	10.3	11.2	7.6	8.5	8.4	11.6	9.3
Pla1a	20.9	17.6	12.4	27.2	18.9	28.4	14.9	3.8	9.5	17.0	13.8	17.2
Pla2g12a	16.1	11.7	9.3	17.1	10.5	17.4	10.1	9.2	8.9	11.9	10.7	10.7
Pla2g15	11.9	10.8	11.8	12.2	14.3	12.4	14.2	11.9	15.9	17.6	14.4	18.8
Pla2g16	6.3	6.0	7.1	7.2	6.1	7.2	5.9	7.6	6.5	6.0	6.3	7.7
Pla2g2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pla2g2e	1.8	1.2	0.4	1.3	1.3	2.4	0.6	0.8	0.2	0.4	0.5	0.2
Pla2g3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Pla2g4a	18.6	12.4	11.2	18.5	22.3	14.8	9.6	10.3	8.5	18.9	15.5	14.6
Pla2g4b	0.3	0.2	0.4	0.3	0.2	0.2	0.4	0.3	0.4	0.3	0.3	0.2
Pla2g4c	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1

Online Table 1

Pla2g4f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Pla2g5	1.1	0.4	0.3	0.8	0.5	0.6	0.1	0.2	0.1	0.2	0.1	0.3
Pla2g6	4.5	4.7	3.4	5.2	4.0	4.5	4.6	3.8	4.3	4.5	4.7	3.7
Pla2g7	2.7	0.1	0.3	5.8	9.8	0.1	0.6	0.8	0.4	0.7	0.3	0.5
Pla2r1	9.6	8.8	8.1	9.1	8.4	12.0	9.1	7.9	8.8	6.3	7.8	7.7
Plaa	16.2	14.1	13.7	17.1	14.5	15.6	15.6	13.4	13.4	14.4	17.1	16.6
Plac8	6.6	16.5	32.6	5.3	15.2	11.6	69.8	35.0	62.6	93.6	87.0	109.2
Plac9a	103.1	75.1	59.8	106.2	55.7	95.5	67.3	58.5	52.9	31.4	57.4	42.6
Plac9b	33.2	20.3	17.6	37.2	19.2	28.9	20.0	33.0	16.6	8.7	21.3	12.8
Plag1	0.5	0.2	0.1	0.4	0.2	0.6	0.3	0.3	0.3	0.4	0.7	0.6
Plagl1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.5	0.6	0.7	0.7	0.6
Plagl2	0.5	0.7	0.8	0.6	1.2	0.7	0.8	0.9	0.7	0.5	0.8	0.6
Plat	14.7	10.1	12.7	8.4	9.5	8.5	8.5	14.6	7.6	18.2	10.5	14.6
Plau	6.8	7.0	5.5	10.3	16.2	5.0	5.5	3.4	4.4	12.5	6.2	3.8
Plaur	6.0	2.5	1.5	8.8	11.9	4.3	7.1	2.9	4.4	10.6	7.7	5.1
Plb1	0.2	0.1	0.2	0.4	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1
Plbd1	0.1	0.0	0.0	0.1	1.3	0.0	0.3	0.1	0.1	0.0	0.0	0.1
Plbd2	14.8	13.0	12.8	13.8	14.8	14.4	14.1	14.0	13.7	11.6	10.8	12.0
Plcb1	1.5	1.3	1.4	1.1	0.9	1.0	1.2	1.3	1.1	1.2	1.7	1.5
Plcb2	0.1	0.0	0.0	1.3	1.8	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Plcb3	19.6	21.2	22.5	21.5	20.2	21.3	22.5	18.0	18.1	16.0	20.1	18.4
Plcb4	22.1	21.2	24.1	17.4	18.2	18.4	22.3	24.8	24.6	15.3	27.7	22.7
Plcd1	16.3	14.3	15.4	15.0	11.7	17.2	15.5	14.7	15.0	14.0	13.5	14.4
Plcd3	2.8	3.2	2.1	1.6	2.0	2.4	2.0	2.1	2.1	2.2	1.7	1.8
Plcd4	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.3	0.1	0.1
Plce1	1.7	2.3	3.4	1.1	1.5	1.5	2.1	3.4	3.2	4.4	3.9	4.4
Plcg1	15.1	13.4	11.9	13.9	9.9	14.9	12.1	12.1	11.4	10.5	11.8	11.3
Plcg2	5.7	3.5	3.2	11.7	14.1	5.5	5.6	2.1	2.5	4.6	3.9	4.3
Plch1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0
Plch2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2
Plcl1	2.8	3.4	4.5	2.2	2.7	2.4	2.8	4.7	3.9	6.0	4.7	4.6
Plcl2	1.4	2.2	2.5	2.7	2.6	2.0	1.5	2.3	1.3	1.1	1.3	1.4
Plcxd1	0.5	0.4	0.4	0.3	0.3	0.5	0.5	0.2	0.5	0.3	0.4	0.3
Plcxd2	2.8	3.9	3.5	2.6	3.3	2.4	4.7	3.3	6.2	4.3	4.7	5.3
Plcxd3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pld1	5.2	5.1	5.2	3.5	4.5	4.2	4.2	4.4	4.3	5.2	5.7	5.0
Pld2	4.7	5.5	5.8	4.6	6.1	5.2	5.6	7.1	6.9	5.8	5.9	5.6
Pld3	62.2	57.2	64.1	71.5	66.3	72.8	53.4	65.0	49.3	51.1	47.7	56.3
Pld4	2.4	0.1	0.2	20.3	40.6	0.1	5.5	0.6	0.7	2.3	0.7	1.1
Pld6	0.1	0.3	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.1
Plec	36.4	37.8	33.6	33.3	44.2	30.7	49.5	42.6	42.3	32.5	35.5	26.9
Plek	2.6	0.8	1.2	14.3	22.6	1.1	3.9	1.1	1.4	2.7	1.6	2.3
Plek2	0.2	0.2	0.2	0.3	0.4	0.0	0.1	0.1	0.0	0.3	0.1	0.1
Plekha1	7.2	6.9	7.1	8.5	7.6	7.3	7.7	7.9	8.3	7.5	9.0	9.0
Plekha2	16.1	17.1	14.2	20.0	19.3	18.6	17.8	11.3	19.7	15.1	16.7	16.7
Plekha3	20.7	18.0	18.7	27.8	19.8	22.3	23.4	17.9	18.3	18.0	22.9	20.4
Plekha4	1.3	1.3	1.9	1.0	1.1	1.3	0.7	1.2	1.1	1.0	0.4	1.2
Plekha5	2.0	2.7	3.3	2.0	1.8	2.3	2.3	2.4	2.2	2.0	2.0	2.3
Plekha6	0.4	0.6	1.2	0.3	0.4	0.3	0.2	0.4	0.2	0.1	0.2	0.1
Plekha7	9.5	11.1	11.0	5.0	7.4	4.0	11.9	12.4	10.2	9.1	12.4	11.5
Plekha8	2.7	3.3	3.6	2.6	2.7	2.2	2.7	3.3	3.3	3.0	3.1	3.4
Plekha1	0.3	0.3	0.6	0.1	0.4	0.1	0.3	0.2	0.5	0.9	0.4	0.6
Plekha2	25.5	21.8	16.7	32.5	25.0	28.5	18.7	12.1	14.3	22.7	20.1	16.5
Plekha3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plekha4	15.9	13.4	13.5	17.1	15.2	12.4	16.6	15.8	17.1	18.3	17.3	18.8
Plekha5	3.6	3.6	3.8	4.1	4.8	3.0	3.4	3.9	4.5	3.5	3.5	3.5
Plekha6	1.1	1.1	1.4	1.1	1.8	0.8	1.2	1.0	0.7	0.8	1.0	0.8

Online Table 1

Plekhg2	9.7	18.9	20.3	8.6	12.1	9.6	17.3	18.4	21.3	11.8	14.1	12.0
Plekhg3	5.5	6.4	6.5	4.9	6.5	5.1	9.2	7.8	9.2	12.9	11.3	9.3
Plekhg4	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
Plekhg5	6.3	9.4	10.2	4.4	6.4	6.3	9.2	11.4	10.9	7.4	7.7	9.3
Plekhg6	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.2
Plekhh1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Plekhh2	4.4	6.5	6.4	4.0	3.9	4.2	3.5	3.8	3.2	6.3	4.3	3.3
Plekhh3	2.9	2.7	2.4	2.5	2.0	2.8	3.2	4.3	4.0	3.0	3.0	2.3
Plekhj1	11.9	10.4	10.2	12.4	11.2	13.2	11.0	10.9	13.0	11.9	11.8	11.5
Plekhn1	2.5	3.2	3.5	3.6	4.9	3.0	3.1	3.1	2.9	2.5	2.5	2.5
Plekhn2	6.5	6.4	6.0	7.7	6.5	7.5	7.4	6.9	6.4	6.0	6.2	6.8
Plekhn3	3.2	4.2	3.9	3.9	5.0	3.1	3.6	3.6	3.5	3.1	3.1	3.4
Plekho1	1.1	1.5	1.3	1.2	1.7	1.4	1.1	1.1	0.7	0.7	0.7	0.8
Plekho2	5.4	4.6	4.0	12.3	14.6	7.4	6.8	5.6	6.1	10.4	11.3	8.2
Plekho3	26.7	26.1	20.6	32.0	31.1	25.9	32.5	29.7	30.5	24.9	27.5	26.1
Plekhs1	0.2	0.2	0.0	0.4	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
Plgrkt	33.0	30.7	27.8	29.3	25.4	32.6	28.6	23.6	28.0	27.8	28.3	27.2
Plin1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plin2	49.4	42.7	30.8	100.5	89.0	50.7	39.5	38.1	35.7	52.0	40.9	37.6
Plin3	48.2	43.5	35.4	53.0	36.1	55.4	33.1	35.3	33.5	34.8	37.4	34.5
Plin4	1.5	0.8	0.7	1.3	0.3	1.5	0.2	0.6	0.2	0.2	0.3	0.4
Plin5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plk1	1.7	2.9	6.2	0.6	5.3	0.3	7.7	2.2	5.6	1.9	3.6	3.1
Plk1s1	16.5	12.8	14.9	15.3	11.2	17.4	12.5	11.5	10.6	13.3	14.7	15.0
Plk2	47.8	23.9	19.8	47.9	42.8	34.6	34.7	18.3	24.3	55.3	42.9	30.7
Plk3	4.2	3.5	2.9	4.7	7.3	3.5	5.3	2.7	3.6	6.3	3.8	3.6
Plk4	3.0	4.4	5.4	2.5	5.0	2.7	5.6	3.2	4.9	3.1	4.2	3.5
Plk5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plip	0.3	0.4	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2
Pln	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1
Plod1	25.5	24.6	24.0	24.5	27.7	24.8	22.9	25.3	24.1	22.2	19.8	19.3
Plod2	277.2	338.9	386.7	219.0	245.0	245.2	253.7	292.0	326.1	295.8	319.7	396.1
Plod3	74.1	82.7	85.8	86.8	81.9	91.2	97.7	107.1	99.5	76.1	78.1	76.5
Plp1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.2	0.3	0.1	0.2
Plp2	38.7	34.8	33.7	55.2	55.6	48.7	51.1	63.0	43.7	37.5	50.1	41.0
Plrg1	28.0	30.4	26.8	28.8	26.7	29.0	25.5	27.9	24.1	29.0	28.1	24.9
Pls1	0.3	0.2	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.1
Pls3	123.9	104.3	88.5	98.9	94.9	97.2	94.4	90.6	111.7	113.1	120.8	137.1
Plscr1	13.2	11.7	12.4	9.6	14.5	10.1	12.7	10.7	12.8	20.0	15.7	16.8
Plscr2	31.0	30.5	26.8	28.0	33.3	20.5	30.7	23.5	34.4	50.8	42.1	40.3
Plscr3	8.6	8.8	8.8	9.9	9.0	8.6	9.9	12.8	9.7	8.6	9.3	6.9
Plscr4	5.4	6.6	8.0	7.6	6.2	7.9	7.3	6.6	6.2	4.9	6.3	7.4
Pltp	47.5	29.5	28.7	27.0	27.9	36.5	20.0	23.0	24.6	22.4	20.7	28.7
Plvap	0.7	0.1	0.3	0.3	0.6	0.3	0.3	0.6	0.3	0.2	0.1	0.2
Plxdc1	0.1	0.0	0.0	0.7	0.8	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Plxdc2	27.4	26.8	34.3	31.2	31.5	31.4	40.9	38.1	39.2	37.7	37.7	40.2
Plxna1	18.3	18.0	16.3	23.5	25.5	21.7	26.3	20.0	22.9	19.3	20.1	16.0
Plxna2	2.0	1.8	3.4	1.4	2.3	1.2	3.0	6.3	4.1	2.6	2.5	5.0
Plxna3	0.8	1.1	1.4	0.9	0.7	2.2	0.9	0.9	1.0	1.0	0.9	0.6
Plxna4	1.8	1.4	2.2	0.9	1.3	0.8	1.5	3.2	2.0	6.5	3.9	2.8
Plxnb1	0.5	0.4	0.6	0.2	0.5	0.3	0.5	0.5	0.9	1.9	1.0	0.9
Plxnb2	79.8	72.7	68.8	71.6	78.6	76.1	83.6	66.5	70.9	79.0	70.2	70.9
Plxnb3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1
Plxnc1	0.6	0.8	1.5	2.4	3.6	0.3	0.6	1.2	0.6	0.7	0.4	0.7
Plxnd1	1.6	1.7	2.6	1.8	3.6	1.3	2.0	2.7	2.7	1.8	1.3	1.9
Pm20d1	2.0	1.8	1.7	0.4	1.1	0.4	0.7	0.5	0.4	0.4	0.4	0.6
Pm20d2	2.1	1.3	1.7	0.9	0.6	1.2	0.6	0.7	0.4	0.7	0.6	0.9

Online Table 1

Pmaip1	12.1	9.0	8.4	10.8	13.5	9.9	9.4	1.9	6.3	16.0	10.3	12.2
Pmel	0.5	0.4	0.6	0.3	0.2	0.6	0.3	0.5	0.5	0.4	0.5	0.2
Pmepa1	21.6	24.2	22.8	30.7	26.7	32.0	39.9	27.7	33.1	24.4	32.4	33.1
Pmf1	3.0	3.3	4.5	3.7	4.2	1.5	6.3	3.7	3.9	2.6	3.5	3.2
Pml	6.0	6.8	7.4	5.9	7.5	6.3	8.4	4.9	5.8	6.4	5.3	6.2
Pmm1	43.1	36.9	43.3	31.3	35.2	35.3	38.0	43.6	40.8	51.4	42.7	46.3
Pmm2	12.0	9.5	9.7	14.5	12.4	11.3	14.9	10.3	11.3	12.1	13.2	13.4
Pmp2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.4	1.0	0.2
Pmp22	90.8	115.2	147.3	72.9	95.1	81.0	182.2	242.6	234.4	106.7	171.4	163.3
Pmpca	19.8	18.6	17.4	22.3	19.4	19.6	21.1	17.7	17.9	17.6	20.5	18.1
Pmpcb	45.0	37.8	39.6	42.9	36.9	42.4	37.4	38.5	36.0	39.0	43.4	40.2
Pms1	1.6	1.9	2.4	2.0	1.8	2.1	2.0	2.4	1.7	2.0	2.3	2.1
Pms2	1.9	2.3	2.3	1.8	2.0	1.6	2.4	2.3	2.0	2.2	2.5	2.1
Pmvk	8.4	12.6	13.4	6.5	7.6	8.3	17.9	21.0	17.8	6.1	16.4	8.1
Pnck	0.7	0.4	0.3	0.0	0.3	0.8	0.6	0.2	0.2	0.8	0.7	0.5
Pnkd	22.3	21.1	17.5	16.4	17.3	23.4	18.3	18.7	19.0	22.0	20.4	19.2
Pnkp	10.5	11.8	9.6	9.4	11.7	10.7	10.4	10.4	12.0	10.5	9.1	9.7
Pnlc1	0.5	0.4	0.2	0.1	0.2	0.4	0.3	0.4	0.4	0.3	0.2	0.2
Pnma1	0.1	0.1	0.3	0.1	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.2
Pnma2	0.4	0.6	0.3	0.4	0.3	0.2	0.4	0.4	0.3	0.7	0.4	0.3
Pnmal2	0.1	0.3	0.4	0.1	0.2	0.2	0.2	0.4	0.2	0.4	0.2	0.3
Pnn	13.5	13.7	17.9	15.8	13.2	12.7	17.1	14.2	13.4	13.8	18.8	18.6
Pno1	32.1	24.3	18.5	29.7	27.6	27.9	21.1	18.9	19.5	23.7	26.4	23.0
Pnp	59.1	68.7	79.1	42.3	61.3	33.2	53.4	68.9	58.6	69.2	61.2	67.6
Pnp2	8.6	9.0	12.9	7.7	7.7	5.7	8.7	11.3	8.0	9.7	11.7	11.6
Pnpla1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pnpla2	6.9	6.4	4.7	9.2	6.3	8.9	5.4	5.0	4.4	5.0	6.4	4.2
Pnpla3	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0
Pnpla6	3.9	3.9	3.5	3.9	3.2	4.4	3.5	3.1	3.1	3.6	3.3	2.8
Pnpla7	4.0	3.4	3.2	6.2	5.2	4.0	3.1	2.4	2.4	4.3	3.5	3.1
Pnpla8	19.5	19.5	18.8	19.8	16.3	21.6	17.5	17.6	19.8	18.9	23.9	22.6
Pnpo	2.8	2.9	2.4	2.1	2.7	2.2	1.9	2.5	2.2	4.1	2.6	3.4
Pnpt1	9.6	10.8	10.7	11.5	9.7	8.1	9.0	9.7	9.4	10.7	10.2	11.0
Pnrc1	23.2	27.5	30.5	26.5	28.0	27.9	26.7	24.1	24.0	28.6	25.7	24.6
Pnrc2	28.9	30.0	38.1	34.8	28.8	30.7	32.7	37.5	36.1	32.2	39.3	43.1
Poc1a	1.2	1.7	2.3	1.0	1.9	0.5	2.2	1.5	1.9	1.3	1.5	1.4
Poc1b	0.8	1.2	1.4	0.9	1.2	1.2	0.9	1.5	1.2	1.2	1.2	1.2
Poc5	4.7	5.5	6.1	4.2	4.6	3.9	4.8	4.1	5.3	5.3	5.3	5.0
Podn	2.5	9.8	18.1	0.8	2.7	1.3	2.4	14.5	6.6	9.2	4.9	5.3
Podn1	0.3	0.4	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.3	0.3	0.4
Podxl	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.4	0.2	0.7	0.3	0.3
Podxl2	2.3	2.6	2.1	3.9	2.4	5.1	1.7	1.8	1.9	4.0	2.5	2.7
Pofut1	21.6	20.3	17.0	24.4	19.2	28.9	19.8	19.5	18.4	17.6	17.5	16.5
Pofut2	44.7	43.1	45.9	50.2	49.7	52.6	55.0	50.0	50.9	55.5	51.8	53.6
Pogk	6.3	5.1	4.2	7.1	5.7	7.3	4.9	4.3	4.9	4.2	5.2	4.6
Poglut1	31.1	26.8	23.5	30.9	25.0	30.6	25.0	23.7	23.4	25.3	26.0	27.0
Pogz	1.1	1.3	1.5	1.0	1.3	1.2	1.4	1.5	1.3	1.2	1.3	1.0
Pola1	2.4	3.5	3.7	1.8	4.1	1.6	4.2	2.5	2.9	2.1	3.3	2.4
Pola2	3.6	3.8	4.7	3.1	3.9	3.3	4.6	3.9	3.9	2.7	4.7	3.1
Polb	24.6	26.7	23.9	22.9	22.2	22.4	18.1	15.9	17.0	20.5	20.4	20.4
Pold1	1.8	3.0	3.4	2.0	3.8	1.9	3.6	2.3	3.3	2.3	2.5	1.9
Pold2	6.4	8.9	9.6	7.1	6.2	8.2	10.1	10.7	8.9	5.9	7.9	6.4
Pold3	2.6	2.8	3.2	3.3	3.1	2.7	2.9	3.1	2.6	2.4	2.6	2.8
Pold4	40.2	32.8	30.8	35.0	31.6	40.5	39.9	34.5	40.3	39.5	40.6	42.5
Poldip2	30.0	31.7	33.1	29.9	27.4	24.9	32.2	35.6	33.2	27.7	28.9	31.8
Poldip3	20.9	24.5	22.1	20.9	22.9	21.1	23.8	26.9	25.0	23.6	23.8	23.8
Pole	1.2	1.6	2.5	0.9	2.3	0.7	3.0	1.6	2.0	0.9	1.7	1.2

Online Table 1

Pole2	0.9	1.8	2.9	0.5	1.9	0.5	2.1	1.8	2.4	1.7	1.9	1.6
Pole3	46.2	42.8	51.3	60.5	34.6	39.5	48.2	41.2	29.3	37.2	53.5	47.7
Pole4	17.8	19.3	15.0	20.9	20.7	19.3	16.9	14.3	18.0	15.2	17.4	12.4
Polg	9.4	10.0	9.5	8.8	9.6	7.9	10.9	10.1	11.2	10.2	9.3	9.4
Polg2	1.5	1.2	1.5	1.1	1.5	1.5	1.1	1.1	1.4	1.7	1.3	1.3
Polh	9.0	9.4	10.8	6.9	10.6	8.5	11.7	8.8	9.7	8.5	9.9	8.2
Poli	3.3	2.9	2.9	3.5	2.3	3.4	2.7	2.2	1.9	2.4	2.7	2.3
Polk	14.6	13.8	12.5	14.7	12.4	13.2	12.1	8.4	11.2	13.2	14.8	13.1
Poll	3.4	4.1	3.5	4.2	4.0	4.2	3.3	3.6	3.9	3.6	3.3	3.1
Polm	1.3	1.5	1.5	1.0	1.3	1.3	1.4	1.3	1.2	1.6	1.1	1.4
Poln	0.1	0.3	0.2	0.2	0.1	0.4	0.2	0.3	0.1	0.2	0.2	0.2
Polq	0.3	0.4	0.7	0.2	0.6	0.1	0.9	0.4	0.7	0.4	0.6	0.3
Polr1a	7.8	6.4	5.7	9.0	7.4	7.3	7.6	6.8	5.4	7.0	7.0	6.9
Polr1b	2.8	2.2	2.0	2.5	3.0	2.3	2.7	2.6	2.4	3.3	2.7	2.6
Polr1c	18.8	16.6	15.6	15.0	16.4	16.0	15.0	16.1	14.8	19.1	15.4	16.2
Polr1d	97.9	77.3	73.8	90.1	77.4	90.9	73.5	69.6	72.1	95.5	90.1	85.8
Polr1e	3.8	3.4	3.3	3.8	3.3	3.1	3.0	3.1	2.6	3.2	3.1	2.3
Polr2a	2.5	3.0	3.2	2.1	2.9	2.3	4.0	3.1	3.1	3.3	2.6	3.1
Polr2b	20.1	19.1	20.2	18.3	17.7	20.7	16.9	21.3	17.4	19.0	19.7	20.9
Polr2c	24.6	23.1	21.3	23.4	22.6	23.8	23.6	20.5	20.1	22.4	22.6	22.5
Polr2d	15.2	15.6	16.3	14.8	16.7	14.4	19.1	19.1	18.1	16.9	17.9	16.4
Polr2e	30.5	28.1	25.6	30.9	25.4	33.2	26.8	22.1	20.6	25.8	25.2	26.0
Polr2f	42.2	40.8	42.9	51.4	43.8	44.5	43.2	40.6	39.5	37.2	45.7	42.2
Polr2g	54.1	40.4	29.7	46.9	41.9	49.8	35.3	35.9	33.3	50.2	37.9	38.2
Polr2h	16.8	13.2	13.2	13.0	13.1	15.9	13.8	12.6	14.6	17.0	14.3	14.2
Polr2i	12.3	11.6	12.4	13.6	9.8	14.9	14.1	15.3	12.6	12.6	11.6	13.1
Polr2j	38.5	41.4	40.6	44.1	40.3	44.5	48.3	46.7	39.7	42.0	42.6	48.2
Polr2k	42.8	37.9	33.2	42.8	32.7	48.8	29.7	29.3	33.1	38.4	45.9	43.3
Polr2l	56.8	62.2	48.3	51.6	55.1	60.3	54.2	52.0	55.2	60.6	53.9	52.0
Polr2m	60.9	54.6	56.0	74.3	50.9	63.6	57.8	57.6	49.6	55.4	67.8	58.8
Polr3a	5.7	4.9	4.9	6.1	5.8	5.6	5.5	4.9	4.9	5.1	5.3	4.9
Polr3b	4.2	2.9	3.2	4.3	3.8	3.8	4.1	4.3	3.3	4.0	4.3	4.2
Polr3c	9.2	10.2	10.5	10.8	9.5	9.5	10.9	11.3	9.5	8.5	11.1	9.0
Polr3d	14.6	14.2	14.2	14.8	14.0	12.7	17.6	15.4	15.0	14.2	17.9	17.4
Polr3e	5.2	4.6	3.8	5.8	5.4	5.5	5.5	4.7	4.7	4.8	5.5	5.0
Polr3f	5.1	6.0	6.7	5.7	5.1	5.3	5.2	5.7	5.3	5.1	5.1	5.5
Polr3g	2.2	2.3	2.6	1.8	1.5	2.9	1.7	2.3	1.7	1.9	1.9	1.7
Polr3gl	8.2	9.2	12.8	8.3	6.2	8.8	6.7	8.3	6.7	6.5	8.7	10.1
Polr3h	7.1	6.1	4.5	7.1	5.2	7.2	6.6	5.5	5.4	6.6	6.3	5.5
Polr3k	7.6	8.1	7.1	9.7	8.6	8.8	7.0	8.2	7.9	9.7	8.8	8.4
Polrmt	3.9	3.6	3.4	3.6	3.3	3.8	3.9	3.7	3.8	3.6	3.6	3.4
Pom121	0.7	1.2	1.2	0.9	1.4	1.2	1.4	1.2	1.1	1.1	0.8	0.8
Pom121I2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
Pomc	0.9	0.6	0.6	0.2	0.8	0.5	0.7	0.4	0.8	0.4	0.3	0.5
Pomgnt1	27.1	24.6	21.4	27.1	22.9	26.2	25.9	20.3	26.4	26.0	24.3	22.8
Pomp	139.1	111.0	104.0	145.5	121.2	139.5	111.7	93.9	100.6	126.8	117.3	118.8
Pomt1	5.8	5.9	6.5	5.8	5.4	6.8	7.3	6.8	7.0	6.2	6.9	6.2
Pomt2	4.1	3.6	3.2	3.1	3.5	3.6	3.8	4.3	3.5	3.9	3.3	3.2
Pon1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Pon2	67.8	54.9	53.8	97.0	66.1	92.4	64.5	46.9	51.3	57.9	62.0	68.2
Pon3	29.3	26.4	29.9	28.7	31.0	27.9	22.6	25.4	21.6	22.1	22.8	28.9
Pop1	4.5	5.3	4.3	4.4	4.7	5.1	4.2	3.4	3.7	4.7	4.4	4.2
Pop4	34.5	27.6	25.6	32.1	30.9	24.4	32.5	22.2	26.5	26.2	34.5	27.4
Pop5	8.2	8.1	7.2	9.7	8.5	5.6	7.1	5.6	8.8	10.3	8.1	8.1
Pop7	9.0	9.1	6.3	10.7	9.6	8.5	10.2	10.6	9.4	10.2	7.8	9.5
Popdc2	2.2	1.0	0.6	2.4	1.2	1.2	1.3	0.3	1.3	1.5	1.8	1.0
Popdc3	0.4	0.1	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Por	13.6	14.6	14.5	18.9	19.8	16.8	20.7	16.3	16.9	16.8	15.5	16.0
Porcn	1.3	1.0	1.3	1.6	1.1	1.7	1.5	1.3	1.6	1.2	1.3	1.7
Postn	172.2	214.7	415.7	186.5	375.7	246.2	157.8	422.7	308.4	256.1	293.9	344.5
Pot1a	3.7	4.6	4.4	2.8	3.7	3.1	3.4	3.7	4.2	3.9	4.0	3.8
Pot1b	0.9	1.2	1.1	0.6	0.9	0.8	0.8	0.8	0.9	1.0	0.7	0.8
Pou2f1	0.8	0.8	0.9	0.7	0.8	0.9	0.8	0.7	0.7	0.7	0.9	0.7
Pou2f2	0.1	0.0	0.0	0.8	1.9	0.0	0.3	0.0	0.1	0.1	0.1	0.1
Pou2f3	0.1	0.1	0.1	0.2	0.1	0.4	0.1	0.1	0.1	0.0	0.0	0.1
Pou3f1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Pou3f3	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pou3f4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Pou4f1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pou5f1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pou5f2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Pou6f1	3.3	3.1	3.1	3.3	2.5	3.4	3.1	2.6	2.6	2.4	2.4	2.3
Pp2d1	0.3	0.8	2.1	1.9	1.0	1.6	1.4	1.7	1.4	1.8	1.9	2.4
Ppa1	38.7	32.7	29.4	41.2	33.9	34.1	32.2	30.9	30.0	34.0	36.8	29.3
Ppa2	15.5	12.9	13.8	15.6	12.4	13.7	10.8	13.4	13.2	16.5	15.9	13.0
Ppan	9.2	8.2	7.1	10.8	10.0	8.7	10.2	8.8	8.8	9.1	10.1	7.6
Ppap2a	60.4	68.2	86.2	59.0	64.9	54.9	67.7	96.8	90.6	82.5	81.5	72.0
Ppap2b	32.0	59.5	84.2	25.1	51.0	28.8	59.3	56.1	53.9	40.6	37.3	51.2
Ppap2c	18.3	11.4	9.0	19.9	14.3	21.7	11.3	12.6	11.3	12.2	9.8	10.8
Ppapdc1b	18.1	14.2	17.5	19.9	18.2	18.0	20.5	22.9	21.4	16.8	21.4	18.8
Ppapdc2	1.6	1.9	1.4	1.4	1.7	1.9	1.6	2.0	2.0	1.8	2.0	2.5
Ppapdc3	3.4	2.7	2.8	3.0	2.7	3.5	3.0	2.6	3.3	3.1	2.6	2.8
Ppara	0.3	0.6	0.6	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.4
Ppard	2.7	3.2	2.6	2.5	2.7	2.5	2.8	3.1	2.3	2.8	2.6	2.6
Pparg	1.7	1.3	0.8	3.6	2.0	3.8	1.5	0.5	1.6	0.9	1.0	1.2
Ppargc1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppargc1b	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ppat	2.5	2.9	3.0	2.5	2.4	2.2	2.6	2.8	2.3	2.7	2.9	2.5
Ppcdc	4.4	3.7	3.5	5.0	4.4	5.0	4.0	3.9	3.9	4.2	4.4	3.7
Ppcs	6.6	6.1	5.2	6.2	4.9	6.3	5.1	4.8	5.2	5.8	4.9	5.7
Ppdpf	14.4	14.6	17.5	19.8	12.0	22.0	15.8	18.8	15.0	15.6	16.3	14.1
Ppef1	1.7	0.5	0.3	2.3	1.2	0.7	0.7	0.6	0.4	0.4	0.4	0.3
Ppef2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ppfia1	16.7	16.4	17.0	18.5	16.8	18.1	19.0	16.0	17.6	17.4	19.1	20.1
Ppfia2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppfia3	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1
Ppfia4	0.1	0.0	0.0	0.2	0.5	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Ppflbp1	185.3	188.0	202.3	211.4	161.2	211.6	228.9	187.5	195.4	212.4	246.9	261.2
Ppflbp2	2.5	1.8	1.8	5.3	9.0	1.8	2.2	1.7	1.2	1.9	1.5	2.3
Pphln1	6.8	7.5	7.8	7.8	7.3	6.9	6.9	7.4	6.4	6.9	7.3	7.9
Ppia	1117.3	886.9	761.5	1181.8	978.2	1160.5	991.2	990.9	916.2	863.4	1033.5	841.8
Ppib	213.8	182.2	188.5	213.0	182.3	181.4	197.0	187.5	175.8	203.3	188.0	218.1
Ppic	94.6	61.3	80.9	102.4	91.4	75.7	79.5	88.7	78.1	88.0	78.1	85.5
Ppid	45.5	41.5	39.2	51.5	35.4	46.6	36.5	27.6	26.8	41.8	44.7	41.6
Ppie	13.1	10.5	9.1	13.1	9.5	11.0	8.9	11.0	11.1	11.4	10.0	10.3
Ppif	2.5	3.1	2.1	1.6	2.2	2.0	2.2	2.7	2.2	3.0	2.7	1.8
Ppifos	0.3	0.2	0.5	0.0	0.2	0.4	0.3	0.2	0.2	0.2	0.1	0.1
Ppig	9.9	8.8	11.7	13.5	8.5	10.6	10.5	9.6	6.6	8.5	12.0	12.8
Ppih	6.0	7.8	9.1	4.9	7.9	6.5	7.2	8.9	8.0	7.5	8.0	7.3
Ppil1	7.8	9.9	10.4	10.4	10.6	9.7	11.0	11.7	10.7	11.2	11.6	10.9
Ppil2	28.4	29.2	30.2	30.9	28.9	31.3	29.2	31.6	26.4	31.1	35.9	33.3
Ppil3	33.2	26.6	24.6	28.2	25.1	30.2	25.3	24.7	24.6	26.9	28.2	28.2
Ppil4	10.3	10.8	13.2	11.1	10.0	10.1	11.5	11.4	10.0	11.0	12.8	14.0
Ppil6	0.3	0.2	0.2	0.3	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.0

Online Table 1

Ppip5k1	4.9	4.7	3.6	4.5	3.6	5.8	2.9	3.1	2.6	4.4	4.0	4.0
Ppip5k2	4.3	4.3	4.3	4.9	4.8	3.9	3.8	4.8	4.9	4.8	4.9	5.0
Ppl	4.7	3.3	3.4	0.8	1.1	0.7	2.8	5.4	2.6	3.4	5.9	5.2
Ppm1a	46.4	42.4	38.5	47.7	34.8	48.9	44.1	35.2	36.0	35.0	40.6	41.1
Ppm1b	25.7	24.8	24.0	27.7	23.1	26.3	26.2	19.0	22.2	22.4	25.7	24.0
Ppm1d	3.5	3.9	6.4	2.9	4.1	3.2	4.3	4.5	4.1	5.2	4.4	5.6
Ppm1e	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Ppm1f	21.9	22.1	17.2	20.2	19.1	20.8	18.0	15.7	17.0	21.5	18.8	17.5
Ppm1g	26.3	23.4	27.6	28.1	26.6	24.7	33.9	26.7	23.7	23.9	28.3	31.2
Ppm1h	4.4	4.0	3.2	5.5	5.1	4.9	3.0	2.6	2.6	2.9	2.9	3.0
Ppm1j	0.5	0.3	0.4	0.3	0.4	0.7	0.2	0.4	0.3	0.3	0.2	0.4
Ppm1k	4.6	5.7	5.8	4.2	4.2	4.9	4.5	3.0	3.9	4.6	4.8	4.3
Ppm1l	0.3	0.4	0.3	0.4	0.2	0.3	0.3	0.5	0.4	1.1	0.6	0.2
Ppm1m	12.5	15.4	15.2	13.4	13.5	14.7	12.5	12.7	14.1	13.2	14.2	14.1
Ppme1	21.1	19.5	16.7	22.2	17.7	19.8	23.2	17.4	17.7	20.5	22.0	20.8
Ppox	7.3	9.0	6.6	6.3	6.9	7.1	6.6	7.3	8.4	7.0	6.2	5.4
Ppp1ca	95.3	90.7	93.9	87.9	94.6	83.5	89.4	107.0	99.5	98.7	101.4	92.8
Ppp1cb	36.6	39.3	45.1	46.5	39.4	45.1	36.1	36.7	37.8	39.1	44.5	47.0
Ppp1cc	58.3	71.0	68.5	52.3	65.2	54.0	65.8	83.3	81.2	79.8	77.6	75.7
Ppp1r10	5.4	5.7	5.9	6.2	6.2	5.0	6.9	6.1	5.8	6.4	7.0	6.2
Ppp1r11	25.4	17.3	17.8	31.2	18.6	26.8	22.1	16.9	16.0	20.8	22.5	20.3
Ppp1r12a	28.1	26.0	29.7	30.2	22.7	25.3	29.1	26.4	25.9	30.3	36.7	35.1
Ppp1r12b	3.6	3.1	2.7	3.2	2.1	2.7	2.6	2.0	2.8	3.0	3.2	3.3
Ppp1r12c	24.2	21.7	19.2	27.0	23.7	25.7	22.1	16.6	21.0	21.6	21.0	20.4
Ppp1r13b	2.3	3.1	2.9	2.3	3.0	2.3	2.5	2.3	2.7	2.8	2.6	2.5
Ppp1r13l	0.5	0.5	0.3	0.4	0.6	0.5	1.0	0.5	0.6	0.9	0.6	0.5
Ppp1r14a	20.8	14.5	10.5	24.1	10.1	23.2	12.8	8.7	10.6	4.5	6.5	4.4
Ppp1r14b	74.9	64.0	55.3	71.8	72.3	66.1	67.6	93.6	72.3	82.6	76.2	65.6
Ppp1r14c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppp1r15a	18.4	13.8	12.0	23.9	11.5	19.3	16.0	11.6	12.6	18.3	15.2	15.2
Ppp1r15b	10.0	9.7	9.8	7.5	9.8	9.1	10.3	10.8	10.7	9.5	9.9	8.7
Ppp1r16a	6.1	5.9	5.4	6.7	6.0	7.9	6.0	6.2	6.5	5.5	5.6	5.5
Ppp1r16b	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.3	0.0	0.1	0.0
Ppp1r18	14.3	14.5	13.1	19.8	19.0	14.5	17.4	14.7	15.6	15.4	14.6	15.1
Ppp1r1a	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0
Ppp1r1b	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Ppp1r1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppp1r2	33.6	31.6	35.1	36.7	26.8	32.8	26.3	26.8	26.1	24.3	31.8	27.5
Ppp1r21	7.1	8.1	7.7	7.4	8.9	7.3	7.7	6.8	6.9	7.9	7.8	8.1
Ppp1r26	1.0	1.3	1.1	1.1	0.6	1.3	0.8	0.8	0.6	0.9	0.8	0.8
Ppp1r27	0.2	0.2	0.0	0.5	0.2	0.2	0.0	0.1	0.1	0.2	0.1	0.2
Ppp1r2-ps3	0.3	0.4	0.6	0.1	0.2	0.3	0.3	0.4	0.3	0.1	0.2	0.3
Ppp1r32	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Ppp1r35	6.3	7.1	4.3	5.8	5.4	5.3	5.2	6.2	6.5	7.3	6.0	5.8
Ppp1r36	0.4	0.4	0.4	0.1	0.3	0.4	0.3	0.2	0.5	0.1	0.4	0.4
Ppp1r37	15.4	16.7	14.5	15.4	13.7	15.4	14.8	14.9	15.4	14.1	13.3	14.6
Ppp1r3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppp1r3b	2.4	3.0	3.0	2.2	2.8	2.9	2.8	2.3	2.9	2.2	2.5	2.4
Ppp1r3c	0.7	1.3	2.7	0.6	0.6	1.3	0.6	1.2	0.9	1.2	0.6	1.1
Ppp1r3d	0.6	0.5	0.2	1.1	0.5	0.7	0.4	0.4	0.4	1.7	0.9	0.6
Ppp1r3e	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.4	0.4	0.5	0.1	0.3
Ppp1r3f	0.5	0.6	0.6	0.7	0.4	0.4	0.5	0.5	0.5	0.8	0.6	0.6
Ppp1r7	9.9	9.0	9.3	10.6	8.5	8.9	8.3	10.2	9.1	7.9	9.2	9.2
Ppp1r8	14.4	12.4	13.5	14.2	12.1	14.7	13.3	12.9	12.5	14.2	14.6	13.9
Ppp1r9a	1.5	1.6	1.6	1.1	0.7	1.8	0.9	0.8	0.7	1.1	0.9	1.0
Ppp1r9b	21.0	22.6	23.5	25.0	21.8	22.7	22.6	20.2	19.5	19.0	20.3	20.4
Ppp2ca	80.1	77.4	77.5	75.7	77.5	76.7	75.6	84.6	76.4	81.9	86.5	83.4

Online Table 1

Ppp2cb	40.7	39.0	29.6	38.5	34.6	38.1	35.6	32.9	38.4	37.5	39.6	37.3
Ppp2r1a	62.7	55.1	47.8	58.7	59.1	56.8	60.1	58.5	59.9	60.7	61.0	51.9
Ppp2r1b	9.2	11.2	10.3	9.5	10.7	9.9	8.6	9.1	8.5	9.2	9.0	9.3
Ppp2r2a	3.7	4.7	4.9	4.7	4.4	3.6	5.5	4.7	4.7	4.9	5.0	5.2
Ppp2r2b	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.2	2.6	0.7	0.4
Ppp2r2c	1.6	0.8	0.6	1.3	0.9	1.4	0.4	0.1	0.1	0.2	0.3	0.3
Ppp2r2d	14.1	13.0	13.8	13.4	12.5	13.3	14.0	13.2	13.1	11.1	14.4	14.7
Ppp2r3a	3.8	4.6	5.1	3.2	3.6	4.0	4.5	5.0	4.4	3.1	4.0	4.5
Ppp2r3c	13.5	12.0	10.6	14.3	11.9	12.9	10.2	10.2	9.7	11.2	12.1	12.3
Ppp2r3d	0.7	0.8	0.6	0.5	1.0	0.5	0.8	0.9	0.9	0.9	0.7	0.8
Ppp2r4	23.6	22.5	21.4	25.0	26.9	26.4	26.8	23.7	25.7	24.7	23.6	22.3
Ppp2r5a	14.5	14.5	14.4	16.4	16.1	14.7	13.9	14.7	14.5	18.8	17.0	16.4
Ppp2r5b	16.6	16.3	13.2	15.4	13.4	16.1	15.7	12.3	16.8	18.3	15.8	12.4
Ppp2r5c	39.5	43.7	48.0	42.2	41.9	41.9	40.0	42.2	38.0	38.0	45.0	44.1
Ppp2r5d	21.3	24.1	26.1	20.3	22.3	22.0	23.6	23.5	23.5	22.6	24.5	21.9
Ppp2r5e	5.4	6.8	6.2	5.8	5.1	5.5	6.1	5.0	5.1	5.5	6.3	5.8
Ppp3ca	26.0	22.0	26.4	25.2	25.6	24.6	25.3	28.0	22.8	30.5	27.8	30.3
Ppp3cb	7.3	8.0	9.2	7.9	7.7	8.0	7.7	9.0	9.4	8.6	9.3	9.9
Ppp3cc	7.8	8.9	8.6	6.4	6.2	5.6	7.8	7.9	7.7	8.6	8.8	10.3
Ppp3r1	33.0	32.7	29.6	31.5	30.3	29.3	28.8	24.5	28.5	36.0	36.7	37.3
Ppp4c	37.4	37.7	34.2	33.0	39.8	31.9	37.2	37.1	37.3	38.8	35.1	32.6
Ppp4r1	17.3	16.9	14.0	19.6	19.9	16.9	21.4	21.3	23.1	17.6	20.0	17.0
Ppp4r1-ps	0.4	0.4	0.3	0.7	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4
Ppp4r2	26.0	27.6	29.5	25.5	24.9	25.5	24.5	25.8	24.2	27.1	30.2	31.2
Ppp4r4	0.4	0.6	0.5	0.4	0.4	0.7	0.4	0.5	0.5	0.3	0.5	0.4
Ppp5c	19.2	18.0	18.1	17.9	19.2	17.4	21.9	19.3	17.2	18.8	18.0	16.9
Ppp6c	28.6	28.6	26.3	31.7	26.3	27.6	24.4	26.2	24.9	26.2	26.2	25.2
Ppp6r1	18.2	17.7	18.7	20.5	21.0	17.2	19.1	18.9	18.8	17.7	17.2	16.9
Ppp6r2	8.0	8.4	8.1	7.6	6.5	7.7	8.1	9.1	8.6	8.3	7.4	8.1
Ppp6r3	15.9	18.7	20.5	15.5	18.0	15.5	17.8	20.6	19.9	17.8	20.5	20.1
Pprc1	2.3	2.7	2.7	2.3	3.2	2.8	3.7	3.2	3.3	2.6	3.0	2.1
Ppi1	61.7	46.5	41.7	74.2	55.0	69.4	37.3	35.8	37.6	45.6	43.7	52.1
Ppi2	6.9	7.1	7.0	8.7	11.5	8.0	6.2	7.3	7.0	7.1	6.1	5.9
Pptc7	4.6	5.0	4.4	5.6	5.0	5.1	5.3	4.7	5.2	5.4	5.2	5.7
Ppwd1	2.9	3.7	3.3	2.6	3.0	3.1	2.8	3.2	3.0	2.9	3.0	2.5
Ppyr1	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.1	0.1	0.1
Pqbp1	34.7	36.6	45.0	47.1	31.1	36.8	45.1	40.4	30.1	33.8	51.3	48.3
Pqlc1	4.7	5.2	4.0	6.0	8.2	5.5	6.0	4.3	5.8	6.1	5.0	4.3
Pqlc2	2.7	2.3	2.4	3.9	3.5	2.8	3.2	2.6	2.9	2.6	2.2	1.9
Pqlc3	32.1	27.2	34.7	33.4	28.3	40.2	24.9	34.3	22.2	29.1	27.9	32.9
Pradc1	1.6	2.2	2.3	1.6	1.8	1.6	2.3	2.2	2.4	2.1	2.4	2.0
Praf2	58.8	52.0	53.8	72.7	50.7	67.3	60.8	63.3	49.2	48.6	63.7	54.8
Pram1	0.1	0.2	0.1	0.3	0.6	0.0	0.2	0.1	0.1	0.1	0.1	0.0
Pramef12	0.2	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.3
Pramef8	6.8	6.4	6.0	6.4	5.9	5.9	6.0	5.9	6.3	6.5	6.6	6.2
Prc1	5.2	8.9	16.0	1.5	12.6	1.8	21.3	8.2	15.9	7.9	14.1	10.2
Prcc	9.7	10.2	10.8	10.2	9.2	9.6	10.9	11.2	9.8	10.2	11.2	9.6
Prcp	6.8	7.7	8.6	6.2	8.3	6.8	8.5	12.3	9.0	8.1	9.0	9.2
Prdm1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Prdm10	0.8	1.0	1.0	0.9	1.1	0.8	1.2	1.4	1.1	0.7	1.3	1.0
Prdm11	0.4	0.7	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.3	0.1	0.4
Prdm15	1.6	2.1	1.6	1.7	2.0	2.0	2.0	1.9	1.9	2.1	2.1	2.0
Prdm16	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.3	0.4
Prdm2	6.1	7.5	6.5	6.8	6.0	5.8	6.5	6.3	6.0	5.9	6.3	6.3
Prdm4	8.4	8.4	8.4	7.7	8.0	7.3	8.4	8.9	8.1	7.3	8.7	7.4
Prdm5	11.0	10.7	14.4	9.8	9.0	12.0	10.0	12.5	11.2	10.5	12.5	13.5
Prdm6	0.2	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.0

Online Table 1

Prdm8	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Prdm9	0.3	0.4	0.6	0.5	0.3	0.6	0.4	0.4	0.3	0.4	0.4	0.4
Prdx1	758.4	597.9	406.4	1314.7	1874.2	807.1	471.7	403.0	396.2	665.1	484.4	487.9
Prdx2	312.0	250.5	237.6	273.6	264.1	273.0	256.6	247.2	219.7	288.8	271.3	273.9
Prdx3	43.4	36.8	30.5	38.2	33.3	39.1	31.1	38.2	37.3	35.2	34.1	36.2
Prdx4	117.2	118.6	116.2	122.4	146.9	135.2	117.2	134.3	132.4	112.9	109.2	115.1
Prdx5	297.9	286.9	271.9	322.1	293.9	264.0	307.6	252.4	249.1	249.5	250.0	274.9
Prdx6	77.0	58.4	40.7	105.9	75.8	96.8	41.7	48.3	39.7	65.8	50.2	40.6
Prdx6b	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Preb	6.2	7.1	6.7	6.7	7.6	7.1	7.6	6.7	6.5	6.8	7.1	6.7
Prelid1	158.9	135.6	128.2	168.7	154.8	154.1	177.1	173.8	157.1	141.3	179.2	157.9
Prelid2	5.7	6.5	4.0	3.7	3.6	7.4	5.2	3.3	4.8	3.9	4.7	4.4
Prelp	311.4	314.1	326.6	376.7	323.0	298.6	393.0	173.1	205.6	191.1	230.9	250.7
Prep	23.4	13.9	14.2	20.9	18.4	18.4	19.1	19.0	15.1	16.8	20.2	17.0
Prepl	8.5	7.4	7.0	8.3	8.1	7.5	7.4	6.7	7.7	10.5	9.6	8.0
Prex1	1.2	0.9	0.8	5.0	8.0	1.4	1.5	0.6	0.5	0.8	0.6	0.7
Prex2	12.6	15.1	14.9	12.3	7.8	12.1	11.4	7.9	13.6	7.3	11.2	11.5
Prg2	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Prg4	0.5	0.4	0.2	0.2	0.3	0.2	0.1	0.4	0.3	0.3	0.2	0.2
Prickle1	0.9	1.6	1.9	0.5	0.6	0.4	1.1	1.9	2.4	5.4	2.8	3.4
Prickle2	2.2	2.5	3.0	1.5	2.0	1.7	1.8	2.1	2.0	2.3	1.8	1.9
Prickle3	3.8	3.7	3.9	5.1	5.3	4.0	4.4	5.1	4.7	4.1	4.4	3.6
Prim1	2.6	4.1	5.1	1.6	4.9	2.3	5.0	2.9	4.4	2.2	3.6	2.9
Prim2	7.7	9.4	11.9	8.0	9.2	5.6	13.1	9.5	8.2	6.3	9.1	8.8
Prkaa1	10.8	11.9	13.2	12.8	11.8	12.3	12.7	13.4	12.2	12.3	15.0	14.7
Prkaa2	0.5	0.6	0.5	0.4	0.3	0.6	0.2	0.2	0.1	0.3	0.2	0.3
Prkab1	5.5	5.6	6.3	7.0	6.8	5.5	6.9	7.9	6.1	7.8	8.0	7.8
Prkab2	14.2	13.6	11.2	15.7	11.8	17.7	13.4	8.4	13.9	10.9	14.0	14.0
Prkaca	31.5	33.6	32.6	32.0	28.4	34.2	31.6	28.4	28.8	27.1	28.8	28.4
Prkacb	26.4	26.3	25.2	33.7	28.1	29.8	28.3	21.1	24.8	24.3	25.8	28.3
Prkag1	32.9	31.4	29.9	28.3	28.5	27.6	31.4	30.8	29.4	31.5	33.4	30.3
Prkag2	6.0	4.0	2.9	6.3	4.0	4.5	5.0	2.8	4.1	5.8	5.6	3.9
Prkag3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Prkar1a	101.9	112.7	119.8	88.5	106.2	93.8	115.3	109.7	130.8	138.6	123.6	160.5
Prkar1b	3.0	3.2	1.6	3.7	1.3	5.9	1.3	0.5	0.8	2.9	2.5	2.3
Prkar2a	11.1	10.2	8.7	14.2	9.6	12.2	12.5	8.5	9.3	10.4	12.8	10.4
Prkar2b	9.3	11.3	11.5	14.5	14.3	16.9	9.6	10.0	9.2	8.0	7.1	7.8
Prkca	3.2	3.7	4.4	3.1	3.9	2.9	3.9	3.8	3.2	4.0	4.6	3.8
Prkcb	0.9	0.0	0.1	6.5	13.1	0.0	1.8	0.1	0.3	0.9	0.3	0.8
Prkcd	22.1	24.2	24.1	28.4	34.3	22.6	23.2	19.3	24.0	27.0	23.9	24.7
Prkcdbp	48.3	38.6	49.3	41.1	30.8	36.5	53.1	118.7	69.9	49.2	58.8	48.3
Prkce	2.0	2.7	2.8	2.0	1.9	1.9	2.4	2.6	2.5	2.2	2.0	2.3
Prkcg	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1
Prkch	0.6	0.2	0.3	2.3	3.6	0.2	0.6	0.5	0.4	0.4	0.3	0.4
Prkci	12.8	13.8	13.5	10.7	9.1	13.8	10.5	11.7	12.4	12.3	13.5	12.1
Prkccq	0.7	0.5	0.2	0.9	0.5	0.5	0.4	0.4	0.5	0.2	0.5	0.2
Prkcsh	91.3	77.9	74.1	98.9	84.0	95.6	83.6	83.9	76.9	85.0	79.3	74.5
Prkcz	1.4	0.9	0.7	1.7	0.7	2.0	0.9	0.6	0.7	2.3	1.5	0.9
Prkd1	3.5	3.3	3.4	1.4	2.0	1.6	3.2	2.5	4.0	4.2	4.1	3.9
Prkd2	2.4	3.0	3.8	2.8	2.7	3.6	3.3	2.3	2.6	2.4	2.3	2.6
Prkd3	10.4	11.2	12.4	9.5	8.9	11.0	9.6	11.6	11.5	11.0	11.2	12.3
Prkdc	2.6	3.0	3.0	2.3	2.6	2.8	2.2	2.9	2.3	2.0	2.5	2.2
Prkg1	14.5	22.6	28.0	17.3	20.0	15.4	26.5	27.0	27.7	18.3	23.9	28.4
Prkg2	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.8	0.5	0.4
Prkra	19.5	21.0	19.8	16.9	16.2	17.8	17.0	20.8	19.2	19.3	18.9	19.7
Prkrip1	10.1	9.2	9.1	12.1	8.4	9.3	10.1	9.8	8.7	10.1	11.2	11.3
Prkrir	18.1	16.6	17.3	17.5	16.3	17.0	19.5	19.2	19.2	19.9	22.2	21.2

Online Table 1

Prkx	10.9	9.9	6.9	12.9	12.4	8.8	9.5	7.2	8.9	7.4	10.2	8.7
Prl	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Prl2c2	0.3	0.3	0.0	0.5	0.5	1.8	0.1	0.4	0.3	0.5	0.4	0.2
Prl2c3	0.0	0.0	0.2	0.5	0.8	1.8	0.2	0.0	0.0	0.0	0.0	0.0
Prl2c4	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.4	0.6	0.1
Prl2c5	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prl3a1	2.7	1.6	0.3	1.4	0.2	1.4	0.3	0.4	0.1	0.2	0.4	0.3
Prl7a1	0.8	0.4	0.4	0.5	0.4	0.7	0.0	0.5	0.0	0.2	0.0	0.2
Prl7a2	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Prl7b1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prl7d1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Prl8a9	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Prlr	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prmt1	22.3	21.8	21.5	19.2	22.8	22.2	22.3	23.9	20.6	23.4	23.4	20.0
Prmt10	6.5	6.3	5.2	6.2	5.3	6.8	4.6	5.0	4.8	5.0	5.6	6.0
Prmt2	20.9	18.6	15.2	22.0	19.8	21.4	20.5	17.6	19.1	17.5	20.8	18.3
Prmt3	11.7	10.2	8.3	11.6	9.6	10.2	11.0	9.7	10.4	11.7	12.6	10.1
Prmt5	15.5	12.7	11.8	15.7	13.2	16.1	14.7	13.5	12.0	15.3	16.9	13.4
Prmt6	2.9	2.5	2.6	3.3	3.2	3.2	3.1	3.4	3.7	4.2	3.9	3.6
Prmt7	9.4	9.8	8.0	9.6	8.7	9.6	9.5	8.9	9.3	8.8	8.6	9.1
Prnd	3.9	1.1	2.1	2.0	2.0	0.7	2.6	4.6	2.9	0.5	0.8	0.7
Prnp	329.9	220.5	171.8	346.3	198.5	242.7	183.9	172.9	193.3	242.9	230.8	234.2
Prob1	0.1	0.2	0.2	0.1	0.1	0.4	0.1	0.2	0.1	0.1	0.1	0.1
Proca1	0.4	0.4	0.4	0.9	0.4	0.4	0.3	0.6	0.3	0.4	0.5	0.9
Procr	19.9	12.5	8.6	48.2	49.4	36.2	11.2	6.4	4.7	12.1	8.4	7.6
Prodh	0.7	0.8	0.4	1.5	0.5	0.9	0.5	0.3	0.3	0.3	0.2	0.3
Prokr1	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prokr2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Prom1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prorsd1	6.7	6.1	5.7	6.6	6.3	7.6	5.1	5.4	6.0	7.4	7.0	7.1
Pros1	26.4	29.0	36.7	21.4	34.2	21.9	27.2	26.4	28.2	33.1	26.3	33.0
Prosapip1	3.2	4.0	3.4	3.9	2.9	4.4	3.3	2.6	2.4	2.3	2.6	2.3
Prosc	13.8	12.1	9.8	12.4	10.7	13.4	10.1	9.1	10.0	12.6	11.8	10.0
Proser1	0.4	0.3	0.7	0.2	0.6	0.5	0.7	0.5	0.5	0.3	0.4	0.3
Proser2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prox1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Prox2	0.5	0.7	0.7	0.5	0.4	0.6	0.5	0.7	0.6	0.4	0.5	0.7
Proz	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Prpf18	11.3	12.2	12.8	9.7	10.3	10.1	10.0	12.3	11.5	12.5	13.4	12.8
Prpf19	8.4	6.9	6.2	8.1	7.1	7.6	6.3	6.3	6.3	7.6	6.9	6.9
Prpf3	7.0	8.4	8.8	10.3	8.0	8.3	8.5	7.9	7.0	8.1	9.3	9.2
Prpf31	13.2	11.8	11.9	16.3	12.7	13.1	11.9	11.8	9.8	11.2	12.9	11.9
Prpf38a	16.2	14.4	14.5	16.5	12.6	13.7	13.1	12.9	11.7	14.1	14.4	14.8
Prpf38b	12.4	13.2	21.1	15.6	13.8	12.2	19.7	15.9	13.4	15.1	18.5	21.8
Prpf39	4.9	5.4	7.4	5.8	5.9	5.2	6.0	5.8	5.2	6.7	6.8	6.7
Prpf4	3.3	4.0	3.8	3.5	4.1	3.7	3.9	3.7	3.4	3.6	3.9	3.7
Prpf40a	26.2	27.2	28.4	28.8	26.1	24.6	26.7	26.1	22.5	24.5	31.3	31.1
Prpf40b	3.9	4.0	4.7	2.4	2.8	4.8	3.1	3.7	3.7	3.3	3.1	3.5
Prpf4b	16.5	16.7	18.8	16.3	16.5	14.6	18.0	16.9	16.8	18.4	21.0	21.3
Prpf6	29.9	29.4	29.4	34.2	26.6	32.4	29.4	29.4	23.6	28.7	29.6	31.4
Prpf8	27.6	28.6	30.7	27.2	29.8	27.7	26.9	30.4	25.4	27.1	26.6	27.2
Prph	0.1	0.2	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.5	0.3	0.2
Prph2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prps1	6.3	6.6	6.1	5.3	5.5	5.5	6.3	5.9	5.9	6.0	5.8	5.5
Prps1i3	6.2	6.7	6.7	5.3	5.9	5.7	6.4	6.4	6.8	7.2	8.0	6.9
Prps2	17.4	16.6	15.8	17.1	16.9	19.6	13.6	10.4	12.6	17.3	16.0	15.7
Prpsap1	25.3	24.2	20.8	21.2	20.2	20.0	21.5	21.8	21.6	21.6	19.4	19.4

Online Table 1

Prpsap2	8.4	8.2	6.8	8.3	7.7	9.8	6.4	7.5	8.0	9.0	8.5	8.2
Prr11	0.5	0.9	1.7	0.3	1.0	0.2	1.5	0.5	1.2	0.6	0.9	0.7
Prr12	0.5	1.1	1.1	0.5	0.7	0.9	1.0	0.9	1.1	0.8	0.6	0.7
Prr13	88.3	83.8	69.7	160.6	94.1	127.3	86.2	77.5	64.9	68.9	80.8	68.9
Prr14	8.7	8.8	9.5	8.4	8.2	7.3	11.0	10.0	9.8	8.2	9.2	8.3
Prr14l	5.8	6.7	5.6	4.7	5.7	4.9	5.2	5.9	6.0	6.6	6.2	6.4
Prr15	0.3	0.6	0.2	0.3	0.5	0.2	0.2	1.3	0.9	7.7	2.6	1.1
Prr15l	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.4	0.3	0.1
Prr16	0.3	0.5	0.7	0.1	0.3	0.1	0.3	0.3	0.1	0.2	0.1	0.4
Prr18	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Prr22	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1
Prr24	3.3	3.0	2.9	4.4	2.8	3.3	3.6	3.4	4.0	3.1	3.1	3.1
Prr3	3.8	4.5	5.0	3.2	3.7	3.5	4.0	4.1	4.0	3.5	3.4	4.2
Prr5	1.9	1.8	1.7	1.3	1.4	1.5	2.5	1.7	1.7	2.1	2.5	1.4
Prr5l	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.2	0.2	0.1
Prr7	0.5	0.4	0.3	0.2	0.8	0.5	0.2	0.8	0.9	0.8	0.3	0.4
Prrc1	9.1	11.1	10.5	9.0	9.4	10.0	10.1	11.7	11.1	8.9	10.4	9.4
Prrc2a	6.0	10.2	10.2	6.9	9.0	7.1	11.6	8.3	9.1	7.6	7.5	6.2
Prrc2b	10.4	12.3	11.3	10.3	10.3	11.2	12.3	9.0	10.2	10.1	9.3	8.5
Prrc2c	13.1	14.9	17.4	14.9	16.3	12.9	18.9	15.2	14.0	13.1	14.9	14.6
Prrg1	0.7	0.7	2.3	1.0	1.2	1.0	1.3	1.9	0.8	0.6	0.9	1.2
Prrg2	5.4	5.6	5.6	7.6	6.4	7.4	6.5	6.3	7.3	6.3	6.7	7.0
Prrg3	5.8	5.4	6.0	5.0	4.3	4.5	6.1	5.9	4.2	3.7	4.2	4.9
Prrg4	3.8	3.2	3.0	3.7	3.7	4.4	2.9	1.0	1.9	1.5	1.9	1.5
Prrt1	0.9	0.0	0.0	0.0	0.1	0.0	3.2	0.0	0.0	0.0	0.0	0.0
Prrt2	0.1	0.7	1.1	0.1	0.3	0.3	0.5	0.6	0.6	0.2	0.2	0.3
Prrt3	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1
Prrt4	0.4	0.3	0.2	0.3	0.2	0.4	0.7	0.5	0.5	0.2	0.3	0.3
Prrx1	11.5	17.0	20.1	14.6	15.4	18.4	16.7	17.1	19.9	16.8	16.6	22.8
Prrx2	3.0	4.0	5.9	0.8	3.0	1.8	4.4	6.7	5.4	6.5	7.3	7.2
Prss12	4.5	2.4	1.8	1.1	1.5	1.2	1.6	2.6	1.8	7.0	5.3	4.5
Prss16	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.0	0.1	0.2	0.0	0.2
Prss23	246.8	176.3	122.7	228.8	139.0	211.8	231.8	162.2	280.6	248.1	321.1	260.2
Prss27	0.3	0.2	0.4	0.1	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.2
Prss30	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss33	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Prss35	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.2	0.4
Prss36	1.5	1.4	1.0	1.5	0.9	2.0	1.0	0.9	0.9	1.6	1.0	1.0
Prss45	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
Prss46	0.1	0.0	0.1	0.3	0.2	0.1	0.1	0.0	0.1	0.2	0.2	0.2
Prss48	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Prss50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss53	1.1	1.0	1.2	1.1	1.2	1.4	1.0	1.3	1.2	1.1	1.1	0.9
Prss57	13.0	8.8	8.2	19.0	10.0	13.9	17.0	9.5	12.1	9.1	12.6	15.2
Prss8	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Prtg	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prtn3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Prune	7.5	8.5	8.5	7.0	6.4	9.5	8.5	9.1	8.4	7.7	8.2	8.3
Prune2	1.5	0.9	0.4	1.3	1.1	1.8	0.8	0.5	0.4	0.3	0.8	0.4
Prx	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.2
Psap	360.2	300.4	278.8	481.5	535.1	413.8	260.2	309.1	289.8	330.6	290.7	296.1
Psat1	11.0	7.3	7.4	5.0	5.0	4.1	9.3	28.3	11.6	10.9	17.3	6.9
Psd	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.5	0.5	0.4	0.4
Psd2	1.6	1.6	0.8	1.9	1.4	2.0	0.8	0.4	0.4	0.7	0.7	0.6
Psd3	10.0	14.2	15.4	8.9	12.0	8.9	12.9	15.4	14.8	8.3	11.2	13.1
Psd4	0.3	0.0	0.0	2.3	4.4	0.0	0.5	0.1	0.1	0.3	0.2	0.3
Psen1	25.6	26.5	24.2	31.1	26.6	25.3	32.9	28.9	26.0	28.2	29.1	27.9

Online Table 1

Psen2	12.0	12.3	10.1	17.4	15.2	15.9	13.8	11.2	11.3	16.2	12.9	12.0
Psenen	53.7	38.7	44.4	60.8	44.4	52.1	43.0	47.0	41.5	48.5	46.3	50.2
Psg17	0.0	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Psg23	0.2	0.4	0.2	0.3	0.3	0.2	0.3	0.3	0.1	0.3	0.2	0.1
Psg29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psip1	12.6	15.2	24.2	12.3	12.3	15.7	20.8	21.1	15.8	19.7	23.8	24.1
Pskh1	8.8	9.8	10.2	8.9	9.0	10.9	9.6	9.5	9.4	11.1	10.2	9.8
Psma1	77.8	71.9	64.6	83.3	74.2	78.8	70.0	70.0	74.6	73.4	76.1	71.5
Psma2	155.5	142.2	119.0	161.1	127.2	139.9	128.7	123.8	118.7	141.6	143.6	139.3
Psma3	111.7	98.0	86.1	115.4	95.4	101.1	87.8	94.6	92.9	100.8	108.2	101.2
Psma4	148.5	122.1	128.0	144.5	115.7	128.5	132.5	127.9	117.1	131.2	152.8	155.2
Psma5	55.9	48.4	44.8	51.5	51.7	49.8	42.3	49.9	50.7	53.0	51.7	47.4
Psma6	87.6	75.7	68.4	81.4	83.5	70.7	71.3	70.4	71.3	76.3	71.2	70.5
Psma7	130.6	104.4	93.0	133.7	107.5	111.5	109.1	103.5	104.4	132.0	122.3	115.7
Psma8	2.0	1.2	1.0	2.1	1.4	1.4	1.5	0.7	0.8	0.7	0.7	0.6
Psemb1	137.8	120.5	108.6	123.9	121.0	123.9	118.3	128.0	125.9	137.6	137.9	132.0
Psemb10	10.3	7.9	8.3	18.4	18.2	8.2	11.7	7.7	9.8	11.1	8.4	10.9
Psemb11	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psemb2	98.2	83.1	86.7	109.0	96.1	95.4	112.8	111.4	92.9	103.0	113.7	101.3
Psemb3	150.0	127.3	110.5	146.5	125.1	131.9	130.9	130.7	121.1	120.4	127.8	119.0
Psemb4	143.6	131.0	101.9	113.6	119.6	120.3	115.6	118.7	129.6	133.2	109.6	116.4
Psemb5	75.5	68.8	50.8	72.6	75.2	73.2	62.4	62.9	66.2	68.8	59.1	59.0
Psemb6	94.8	86.8	83.4	101.1	86.1	97.9	86.8	82.9	80.4	88.1	86.6	82.6
Psemb7	127.2	111.0	97.7	116.3	103.2	112.3	95.1	104.8	99.0	104.3	108.3	104.8
Psemb8	7.3	6.9	10.7	13.5	17.8	6.6	7.0	5.1	4.8	5.8	4.4	6.7
Psemb9	2.4	3.9	4.9	2.7	3.8	2.3	2.1	1.5	1.4	1.7	1.4	2.7
Psmc1	98.4	85.5	80.5	96.8	75.4	86.8	84.1	78.1	74.5	77.2	89.8	89.2
Psmc2	56.0	56.6	55.6	60.7	57.1	56.5	59.9	57.2	55.5	57.4	58.0	59.7
Psmc3	106.3	97.1	92.2	114.0	93.2	104.3	102.7	96.8	92.9	96.1	107.9	100.4
Psmc3ip	1.8	3.2	3.6	1.3	2.7	1.6	3.3	2.4	3.1	1.7	2.9	2.5
Psmc4	76.8	62.6	57.5	82.4	62.2	73.1	71.9	65.7	61.6	64.9	71.9	70.7
Psmc5	64.0	60.8	55.7	64.6	56.4	60.4	61.1	57.9	62.0	60.6	64.6	61.2
Psmc6	121.1	109.6	93.6	131.3	92.5	114.1	93.7	86.2	92.5	100.4	108.2	106.1
Psmd1	57.0	47.8	49.8	59.4	55.5	50.4	57.7	57.6	51.7	52.5	58.7	57.9
Psmd10	19.2	15.8	14.2	20.6	20.6	19.1	16.9	15.7	13.6	14.8	18.5	17.6
Psmd11	33.3	26.7	27.7	39.1	30.9	39.6	31.4	32.0	27.2	29.0	31.7	29.7
Psmd12	42.7	41.8	38.2	45.2	41.3	40.0	44.3	40.5	40.4	42.9	49.7	42.9
Psmd13	48.0	41.6	34.2	44.7	45.7	42.0	44.3	41.5	40.9	41.5	42.1	43.1
Psmd14	67.7	57.7	46.7	66.3	58.5	59.4	57.4	52.3	55.5	61.3	62.8	62.1
Psmd2	119.0	104.3	89.1	122.3	108.5	112.7	99.7	101.7	92.7	97.6	99.1	98.3
Psmd3	28.0	28.3	27.5	31.4	30.3	27.0	35.6	35.7	34.0	30.5	30.7	28.1
Psmd4	96.6	89.8	84.4	106.0	77.7	94.4	91.6	87.9	82.4	86.8	88.7	90.5
Psmd5	29.9	25.9	20.0	29.9	25.2	27.4	24.2	21.3	21.8	25.4	25.2	20.9
Psmd6	75.4	68.0	58.9	70.2	62.3	70.3	65.6	59.7	68.5	73.0	71.5	69.1
Psmd7	58.0	62.1	67.3	82.6	66.9	65.7	85.9	75.7	61.9	63.7	73.9	76.7
Psmd8	181.9	116.8	92.9	199.9	121.9	170.6	116.3	95.9	96.2	122.6	126.3	120.3
Psmd9	8.7	8.0	8.5	8.8	8.2	7.9	8.9	8.2	8.9	8.9	9.4	9.1
Psme1	39.0	39.8	53.6	45.2	47.0	37.5	43.6	46.2	38.6	38.9	39.7	49.3
Psme2	87.5	74.1	65.2	92.0	87.0	80.6	74.3	55.3	69.7	70.8	57.7	75.4
Psme3	18.7	17.6	17.3	21.6	17.9	19.1	18.5	18.3	16.6	16.7	17.5	17.7
Psme4	18.9	21.6	16.6	16.5	20.8	16.5	15.4	20.3	18.7	17.6	20.4	17.9
Psmf1	6.9	6.5	5.4	7.8	6.0	7.6	6.5	6.2	5.9	5.9	5.9	5.8
Psmg1	13.9	14.3	12.3	12.8	12.5	14.7	12.6	14.7	12.5	15.0	13.7	13.3
Psmg2	13.9	15.1	12.9	11.5	13.0	13.6	12.0	11.0	13.2	14.5	13.3	12.3
Psmg3	7.0	6.8	5.6	6.6	8.6	7.1	7.1	7.9	8.6	7.5	5.7	6.0
Psmg4	9.5	8.9	6.5	7.8	10.9	10.1	9.0	8.4	8.2	8.5	6.8	7.3
Pspc1	7.1	7.5	8.8	6.6	6.6	7.8	9.7	6.8	6.0	8.1	8.3	9.5

Online Table 1

Psph	27.1	18.0	11.8	25.6	13.6	21.7	20.1	21.4	19.7	18.9	25.6	14.6
Pspn	1.0	0.0	0.4	0.3	0.3	0.8	0.1	0.3	0.3	0.0	0.0	0.2
Psrc1	17.6	19.5	22.1	13.0	15.2	20.0	14.5	13.2	14.6	31.5	18.7	19.6
Pstk	7.8	6.9	5.6	6.5	5.7	8.8	6.8	6.0	7.6	6.8	7.2	6.0
Pstpip1	7.6	5.5	5.6	14.2	14.5	6.0	9.9	5.9	6.7	8.9	9.6	6.5
Pstpip2	0.5	0.3	0.4	0.4	0.6	0.2	0.6	0.3	0.2	0.3	0.5	0.3
Ptafr	0.1	0.0	0.1	2.2	1.9	0.0	0.3	0.2	0.1	0.2	0.0	0.0
Ptar1	6.7	5.7	4.9	6.2	5.8	5.9	6.2	6.1	6.4	6.9	7.8	6.7
Ptbp1	39.2	38.0	34.6	46.0	48.4	36.1	51.2	45.6	42.7	43.8	48.1	37.9
Ptbp2	3.4	4.7	5.6	4.2	4.1	4.2	4.1	4.3	4.2	3.9	4.5	4.8
Ptbp3	8.8	13.6	14.9	13.0	16.3	10.9	14.2	15.0	13.7	11.8	14.1	14.4
Ptcd1	7.1	5.7	5.4	6.3	5.5	6.7	6.4	6.1	6.2	6.8	6.6	7.1
Ptcd2	9.7	9.0	6.9	9.9	9.5	10.4	8.3	8.0	8.1	9.2	8.7	7.2
Ptcd3	16.9	16.4	14.7	14.7	14.7	14.9	15.3	15.5	14.8	17.7	17.3	15.3
Ptch1	1.2	1.4	1.7	1.3	1.2	1.3	1.3	1.3	1.2	1.4	1.0	1.0
Ptch2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Ptchd1	0.1	0.0	0.0	0.7	1.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1
Ptchd2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptchd4	0.4	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2
Ptcra	0.0	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ptdss1	27.1	22.8	19.7	26.7	21.2	25.3	22.2	20.9	21.2	21.4	22.8	23.4
Ptdss2	6.3	7.5	7.9	5.3	7.2	8.2	7.4	8.7	7.8	9.0	7.4	8.5
Pten	23.0	25.0	26.6	24.4	23.7	24.8	20.4	24.5	22.3	24.6	25.1	26.7
Pter	7.6	6.1	5.1	6.8	4.5	5.9	5.7	5.4	5.0	5.9	7.0	6.3
Ptgds	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.1
Ptger1	8.1	4.5	2.9	7.4	6.6	6.3	6.1	5.5	5.6	5.7	5.5	5.5
Ptger2	0.1	0.0	0.0	0.4	1.1	0.1	0.1	0.0	0.0	0.3	0.1	0.2
Ptger3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptger4	3.2	6.8	10.0	3.2	9.0	3.2	9.6	10.7	9.2	9.3	8.8	8.6
Ptges	1.4	1.8	2.3	1.2	1.1	1.2	1.1	1.3	0.9	2.3	1.9	2.1
Ptges2	7.7	7.3	6.0	6.5	6.0	5.6	6.5	7.6	6.7	7.1	6.2	6.4
Ptges3	83.1	85.2	79.9	94.2	87.9	96.2	80.2	77.6	80.2	97.1	95.8	95.9
Ptges3l	5.9	4.5	4.1	4.8	5.0	5.6	5.4	4.1	5.2	5.9	6.1	5.4
Ptgrfr	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.3	0.1	0.2	0.2	0.1
Ptgrfn	27.3	27.9	33.2	25.4	29.8	29.3	30.1	29.5	27.4	25.1	24.9	27.9
Ptgir	3.0	5.1	6.0	7.5	8.2	4.3	4.0	4.6	3.1	2.5	2.0	2.3
Ptgis	148.9	147.3	125.5	69.7	102.2	94.9	114.7	184.1	124.7	162.2	135.4	127.9
Ptgr1	24.6	25.4	22.9	22.4	24.2	26.4	17.8	19.1	20.0	18.6	19.0	18.8
Ptgr2	22.1	20.5	20.3	23.7	19.5	24.4	18.8	17.6	16.9	21.3	21.1	22.5
Ptgs1	7.5	4.3	3.9	5.4	6.0	3.1	3.9	4.1	4.2	23.2	12.1	7.9
Ptgs2	9.5	3.2	2.0	7.5	9.5	4.8	7.6	1.8	4.1	15.0	12.3	8.4
Pth1r	0.6	3.1	6.2	0.4	1.2	1.1	3.1	5.4	4.4	1.7	2.8	3.4
Pth2r	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pthlh	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptk2	23.9	19.3	16.1	20.1	18.4	21.2	19.7	17.1	18.5	18.9	20.9	19.7
Ptk2b	17.9	17.5	13.1	22.3	25.2	19.0	17.0	11.3	14.3	29.8	21.7	17.3
Ptk7	27.6	37.6	38.5	21.4	33.2	28.2	42.7	33.8	42.4	43.3	32.2	32.2
Ptma	208.7	170.6	266.6	292.0	250.1	265.1	227.4	233.4	169.2	278.9	270.6	272.4
Ptms	60.8	69.1	100.4	73.9	69.2	64.1	115.1	118.6	100.9	82.8	111.8	104.1
Ptn	0.5	0.9	2.2	0.1	0.6	0.2	1.1	7.0	5.4	1.4	3.5	3.2
Ptov1	16.7	19.5	19.2	15.2	15.9	16.8	18.0	21.7	22.5	19.8	19.1	17.1
Ptp4a1	6.9	6.4	6.0	6.4	6.4	7.5	6.4	5.7	4.6	6.7	7.2	6.1
Ptp4a2	84.5	68.9	60.5	89.9	76.0	84.1	67.9	63.8	67.2	73.4	83.0	71.3
Ptp4a3	7.0	6.1	5.7	7.5	5.8	8.5	4.8	4.1	4.9	6.0	4.7	4.3
Ptpdc1	4.9	5.4	5.5	4.6	4.5	6.7	4.9	4.3	4.6	3.9	4.7	4.6
Ptpla	22.5	13.6	13.7	20.9	17.6	17.1	24.5	22.8	25.2	26.4	26.0	21.5
Ptplad1	24.1	20.3	19.0	21.6	20.0	19.8	18.7	17.7	18.0	29.7	23.7	22.1

Online Table 1

Ptplad2	21.8	16.2	16.0	12.7	15.1	13.8	15.9	13.3	16.5	22.9	23.0	22.2
Ptplb	2.0	2.1	2.5	2.8	3.3	2.0	2.8	2.9	3.0	3.8	3.0	3.5
Ptpm1	20.5	15.5	13.4	20.4	15.2	17.8	15.7	14.5	15.9	15.2	16.8	15.6
Ptpn1	6.6	7.6	9.6	8.0	11.7	5.1	8.2	9.9	9.1	9.0	7.2	9.0
Ptpn11	80.0	61.3	48.2	91.6	63.9	81.2	64.5	42.3	51.7	57.0	60.6	60.4
Ptpn12	11.7	11.7	13.4	13.0	15.8	9.0	14.4	14.8	12.7	12.1	15.7	15.0
Ptpn13	2.5	3.0	3.2	1.8	2.0	1.8	2.5	3.4	3.5	26.0	13.4	6.7
Ptpn14	7.0	6.3	7.0	4.4	5.2	5.4	5.9	5.7	5.2	9.6	7.2	7.1
Ptpn18	0.2	0.0	0.1	2.1	2.8	0.0	0.3	0.0	0.1	0.2	0.1	0.1
Ptpn2	12.5	12.1	15.2	14.7	13.9	11.9	17.1	12.2	12.3	13.8	15.5	16.9
Ptpn21	4.9	4.8	4.4	6.7	3.9	6.3	5.9	4.3	4.3	4.3	4.9	5.0
Ptpn22	0.1	0.1	0.0	0.7	1.6	0.1	0.2	0.0	0.0	0.1	0.0	0.1
Ptpn23	3.1	3.5	3.5	3.2	3.7	3.8	4.3	3.0	3.3	3.1	3.0	2.7
Ptpn3	1.2	1.0	1.1	1.0	0.9	1.4	0.9	0.8	0.7	1.5	1.2	1.1
Ptpn4	2.0	1.7	1.3	1.8	1.6	1.8	1.4	1.5	1.2	1.9	1.6	1.7
Ptpn5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptpn6	2.6	0.4	0.4	19.0	32.2	0.3	5.2	0.6	0.9	2.1	1.4	2.2
Ptpn7	0.4	0.1	0.1	4.3	5.8	0.0	0.7	0.1	0.1	0.5	0.2	0.5
Ptpn9	25.5	26.0	23.9	21.7	24.1	23.2	27.4	22.8	26.8	30.4	25.1	26.7
Ptpra	41.9	42.5	45.9	57.0	48.3	47.8	55.9	45.4	45.9	44.4	49.4	54.9
Ptprb	4.0	2.0	3.7	4.0	4.9	4.1	6.2	7.5	5.7	4.0	5.1	4.2
Ptprc	1.2	0.1	0.1	10.3	17.4	0.0	2.2	0.3	0.4	1.2	0.4	1.0
Ptprcap	0.1	0.2	0.1	0.1	0.2	0.1	0.3	0.1	0.5	0.0	0.2	0.3
Ptprd	1.9	2.2	3.1	1.8	1.7	1.8	2.4	3.2	3.3	6.3	4.6	3.9
Ptpre	0.8	0.1	0.2	3.1	4.2	0.4	0.9	0.3	0.3	0.4	0.4	0.4
Ptprf	16.2	18.8	18.8	7.3	13.5	9.6	21.0	17.5	20.8	18.3	16.8	14.0
Ptprg	11.8	10.6	10.5	11.4	10.5	11.3	12.2	8.5	9.8	10.5	10.0	10.3
Ptpnj	8.8	8.1	7.7	13.6	17.1	7.7	10.4	6.4	7.4	7.8	7.4	8.4
Ptpnk	6.1	2.5	2.0	3.1	1.9	1.7	2.7	1.9	2.5	4.3	4.9	3.5
Ptpnm	13.1	12.2	11.7	16.0	10.5	16.2	15.1	14.1	14.7	10.4	11.4	12.6
Ptpnn	2.1	2.6	3.0	2.7	5.2	2.8	3.9	5.4	3.0	3.4	2.2	2.1
Ptpn2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Ptpno	0.1	0.0	0.0	1.4	1.9	0.0	0.2	0.0	0.0	0.1	0.1	0.1
Ptpnq	8.2	2.4	1.2	5.2	1.1	2.3	1.0	0.5	0.8	6.6	4.2	2.1
Ptpnr	17.7	18.7	19.8	18.7	19.3	24.3	18.8	18.0	18.0	23.6	19.3	18.5
Ptpnt	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptpnu	0.6	0.7	0.8	0.3	0.5	0.5	0.9	0.5	0.6	0.3	0.4	0.4
Ptpnv	0.1	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.3	0.7	0.2	0.2
Ptpnz1	1.2	0.1	0.1	1.4	0.1	0.7	0.1	0.1	0.0	0.2	0.3	0.1
Ptrf	135.3	118.7	110.1	114.0	95.9	122.2	126.1	130.2	110.6	131.2	150.2	127.9
Ptrh1	31.2	18.0	12.2	21.0	20.3	24.7	22.0	15.0	19.1	21.0	18.0	20.7
Ptrh2	4.6	5.1	3.9	4.4	4.4	4.1	4.7	5.2	5.1	5.5	4.7	4.6
Ptrhd1	1.5	1.3	1.0	1.8	1.8	1.7	1.5	1.5	1.7	1.4	1.5	1.5
Pts	19.5	17.1	15.8	13.8	16.4	14.3	20.5	19.2	17.1	17.0	21.7	19.5
Pttg1	37.5	34.7	33.2	34.4	25.9	39.0	25.1	25.3	25.1	23.1	25.0	28.3
Pttg1ip	64.8	62.4	58.2	78.3	60.0	73.8	67.4	72.7	75.9	64.5	67.9	67.1
Ptx3	206.3	175.3	204.9	172.6	239.7	84.5	226.8	145.4	143.1	124.2	138.6	139.0
Puf60	46.6	47.3	40.6	47.4	42.0	40.8	49.2	48.6	48.1	49.4	49.3	46.5
Pum1	9.3	12.4	12.5	10.1	10.1	10.7	11.3	10.7	11.1	10.8	11.2	10.6
Pum2	13.2	14.6	15.5	13.1	14.7	13.1	13.8	13.1	13.7	14.0	14.7	15.6
Pura	12.6	10.4	9.9	13.1	9.5	12.1	11.6	9.5	9.4	10.0	9.0	10.3
Purb	8.2	8.3	8.0	7.7	8.0	7.3	7.3	7.0	7.6	8.8	9.1	8.5
Purg	2.8	2.9	3.0	4.1	2.3	4.4	3.0	2.8	2.9	3.4	2.3	2.7
Pus1	9.0	8.1	6.8	8.9	9.0	7.7	8.6	7.4	8.1	8.5	8.7	7.0
Pus10	4.5	4.0	4.0	3.7	3.9	4.0	3.3	4.3	3.8	3.6	3.8	4.1
Pus3	4.8	4.5	3.2	5.3	4.1	4.9	4.1	4.0	3.8	4.1	4.1	3.9
Pus7	11.6	10.1	8.4	10.3	9.3	11.2	9.7	8.4	9.2	10.9	10.7	10.9

Online Table 1

Pus7l	1.5	1.3	1.4	1.1	1.5	0.8	1.4	1.8	1.3	1.8	1.3	1.2
Pusl1	10.2	7.9	6.5	13.3	9.8	12.2	11.0	7.8	9.7	8.8	9.7	9.0
Pvalb	0.0	0.0	0.2	0.1	0.1	0.4	0.1	0.4	0.0	0.0	0.1	0.0
Pvr	10.2	8.9	7.7	9.8	9.3	8.4	11.5	8.5	7.6	8.9	12.1	8.2
Pvr1	1.6	1.9	1.9	1.5	2.1	2.1	2.8	1.8	1.9	1.6	1.5	1.3
Pvr12	12.8	13.7	17.3	8.9	14.4	8.4	19.2	16.7	20.3	28.9	17.9	18.2
Pvr13	12.6	12.0	11.7	8.6	11.8	11.1	15.7	13.6	15.7	12.0	15.7	14.3
Pvr14	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Pvt1	6.9	6.3	5.1	6.9	5.2	7.8	5.2	4.7	4.7	6.0	4.8	4.4
Pwp1	10.5	9.2	8.9	10.7	9.8	10.0	9.5	8.8	8.2	9.5	10.0	9.2
Pwp2	6.3	5.2	3.4	6.6	6.2	6.7	5.7	3.9	4.8	5.3	4.2	4.4
Pwwp2a	1.6	2.2	2.6	1.6	2.4	1.5	2.0	2.4	2.1	2.1	2.2	2.1
Pwwp2b	4.6	4.6	3.9	4.7	4.0	5.9	3.1	2.1	2.1	3.1	3.3	2.8
Pxdc1	36.7	33.4	20.3	29.8	27.2	29.7	26.8	21.7	24.0	17.5	28.2	15.4
Pxdn	12.1	11.8	15.1	8.3	13.1	8.8	14.6	26.3	20.2	16.8	14.2	13.6
Pxk	10.2	11.7	11.5	10.4	9.8	9.2	11.5	9.3	10.8	14.7	13.0	10.9
Pxmp2	0.6	0.8	0.7	0.9	0.5	0.4	0.7	0.6	0.8	0.8	0.9	0.4
Pxmp4	9.8	9.2	9.6	9.8	7.8	8.9	8.9	9.9	9.6	8.7	10.2	10.6
Pxn	14.8	16.9	16.2	12.6	16.1	13.8	15.4	19.4	16.6	15.9	16.7	13.9
Pycard	1.8	1.4	0.8	1.9	3.8	1.7	1.1	1.0	1.3	1.4	0.7	0.8
Pycr1	5.0	3.5	3.5	4.4	3.1	5.0	3.4	4.4	3.5	2.7	3.7	2.9
Pycr2	15.8	12.2	8.5	11.9	13.6	11.6	13.4	12.2	13.7	16.6	12.3	11.0
Pycr1	9.3	9.0	6.9	10.8	8.5	10.1	9.2	8.4	9.7	10.5	9.5	8.8
Pydc3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pygb	15.9	15.8	20.4	15.7	15.0	16.1	16.3	21.7	18.4	21.5	20.5	18.7
Pygl	9.4	15.8	15.3	10.6	15.3	13.6	7.7	6.1	7.0	12.6	9.4	11.3
Pygm	2.0	2.9	3.5	1.9	1.6	1.9	0.9	0.4	0.6	0.5	0.4	0.5
Pygo1	4.8	4.4	4.8	5.1	3.0	5.9	3.9	3.5	2.8	3.3	3.4	4.5
Pygo2	11.1	13.1	10.2	9.4	11.3	10.2	11.7	10.7	12.7	12.6	10.4	9.9
Pyhin1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Pyroxd1	3.5	2.6	2.5	3.5	2.7	2.3	2.3	2.8	2.7	2.7	3.0	3.2
Pyroxd2	1.8	2.1	2.2	1.1	1.0	1.4	1.4	1.9	2.1	1.9	1.3	1.5
Pyurf	1.6	1.4	1.5	2.4	1.5	1.9	1.5	1.8	1.1	1.9	1.8	1.6
Qars	28.4	26.9	27.6	23.6	27.5	27.4	25.0	29.5	27.4	29.6	29.1	27.8
Qdpr	16.7	15.6	14.7	15.9	16.9	16.0	12.5	14.7	13.1	14.6	12.6	13.0
Qk	25.8	27.1	29.8	38.7	26.8	33.0	29.7	26.0	23.0	24.2	32.7	28.7
Qpct	12.4	14.0	10.5	13.4	10.7	12.7	8.0	7.2	7.9	7.2	8.4	7.5
Qpctl	6.0	5.6	5.8	6.0	7.1	5.6	7.4	7.6	6.6	6.9	6.8	6.8
Qrfp	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Qrich1	28.2	30.6	31.6	33.4	28.4	31.6	33.5	36.2	31.4	29.3	34.6	31.2
Qrich2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0
Qrsl1	3.5	3.0	2.8	3.0	2.9	2.8	3.1	2.4	2.4	2.8	3.1	2.5
Qser1	2.3	2.6	2.3	2.8	2.2	2.7	2.4	1.8	1.9	2.2	2.5	2.1
Qsox1	55.0	44.7	42.6	48.3	48.3	53.0	45.3	44.0	47.0	50.7	45.1	48.1
Qsox2	6.8	6.1	6.0	7.0	5.8	7.3	6.6	7.2	7.7	5.5	6.8	5.4
Qtrt1	5.3	4.0	4.1	5.0	4.4	4.3	4.3	4.8	3.9	5.3	5.1	4.0
Qtrtd1	2.5	2.4	2.4	2.6	2.6	2.3	2.2	2.6	2.3	2.2	3.0	2.4
R3hcc1	13.4	10.7	9.3	18.7	9.3	16.4	13.3	10.9	9.3	10.9	13.8	13.5
R3hcc1l	5.9	6.3	6.2	5.9	6.0	5.1	6.0	6.1	6.3	5.7	6.3	6.8
R3hdm1	3.1	3.7	4.2	4.1	3.9	3.8	3.8	4.1	3.2	3.3	4.4	3.6
R3hdm2	4.6	5.6	5.9	6.0	4.5	5.3	5.9	5.1	4.2	3.5	4.8	4.7
R3hdm4	14.9	13.7	13.6	15.3	15.0	15.7	15.6	15.7	13.8	13.6	13.3	12.2
R74862	2.9	2.1	1.5	2.5	1.7	1.8	1.6	1.7	1.9	2.7	2.3	1.8
Rab1	61.0	58.5	60.6	70.5	70.2	65.9	67.6	67.5	63.9	65.4	75.4	75.6
Rab10	33.9	31.1	34.9	44.1	37.8	34.1	39.0	35.8	36.9	36.6	43.2	40.4
Rab11a	34.8	31.2	26.9	35.9	33.7	31.8	30.7	33.3	30.8	37.3	40.9	34.6
Rab11b	9.4	9.5	9.6	11.4	11.0	9.3	11.3	11.3	9.9	11.3	10.4	9.7

Online Table 1

Rab11fip1	1.1	0.7	0.6	1.0	0.8	0.9	0.5	0.4	0.4	1.5	0.9	0.8
Rab11fip2	4.1	4.3	5.0	3.1	3.3	3.9	4.3	4.6	4.9	4.9	5.3	4.7
Rab11fip3	5.6	6.6	7.0	6.6	5.5	6.3	7.1	5.7	5.9	5.6	5.8	6.1
Rab11fip4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rab11fip5	22.7	19.4	13.7	21.4	17.3	23.6	16.5	12.7	15.0	18.1	17.5	14.9
Rab12	35.0	32.2	34.4	37.0	31.0	37.3	34.6	32.2	31.3	31.8	33.3	36.4
Rab13	18.8	15.7	19.3	17.2	16.9	22.2	16.7	17.2	15.9	18.0	19.3	20.9
Rab14	23.4	27.2	26.8	26.5	29.1	25.8	25.9	26.0	26.8	28.6	29.4	30.9
Rab15	0.6	1.4	1.8	0.5	1.1	0.6	1.3	0.9	1.2	0.9	0.9	1.4
Rab18	32.2	39.4	45.2	43.3	42.8	42.5	37.4	41.1	39.4	44.3	48.1	49.3
Rab19	0.3	0.2	0.3	0.2	0.5	0.0	0.2	0.1	0.1	0.0	0.0	0.1
Rab1b	37.5	33.5	28.4	43.7	41.4	32.4	38.2	36.7	35.1	35.4	36.4	31.5
Rab20	2.6	2.6	3.2	3.9	4.9	2.7	4.1	2.7	4.0	6.7	2.9	5.3
Rab21	30.9	32.2	30.9	36.6	33.4	36.2	36.0	29.8	32.8	34.8	38.2	40.4
Rab22a	24.3	19.6	18.5	26.0	20.2	24.1	20.4	19.0	21.7	22.4	21.9	22.2
Rab23	4.5	6.0	6.9	4.8	6.2	4.8	6.2	7.0	4.8	4.2	5.3	4.9
Rab24	17.9	15.8	14.3	13.1	14.7	17.7	15.6	14.2	16.7	15.3	14.5	16.0
Rab25	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rab26	0.6	0.6	0.7	0.8	0.4	1.0	0.3	0.5	0.5	0.3	0.4	0.2
Rab27a	0.3	0.2	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.9	0.5	0.5
Rab27b	0.3	0.2	0.2	0.3	0.2	0.3	0.1	0.1	0.1	0.3	0.3	0.4
Rab28	38.1	30.1	25.6	36.7	24.8	33.5	28.2	26.5	30.0	24.4	26.9	30.3
Rab2a	76.4	74.4	83.7	90.3	72.1	78.0	83.7	78.2	76.2	84.7	97.0	99.0
Rab2b	10.0	7.7	7.0	9.2	8.3	10.7	9.0	8.6	7.7	7.0	8.4	8.2
Rab30	10.6	10.2	7.9	12.5	10.2	13.1	11.4	9.1	10.4	8.8	11.6	10.0
Rab31	57.7	70.6	67.2	75.4	94.0	55.2	101.3	83.2	104.6	86.3	77.6	101.0
Rab32	9.8	9.3	9.0	11.3	11.9	9.0	11.7	14.0	10.4	15.7	15.9	11.1
Rab33a	0.1	0.0	0.1	0.1	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0
Rab33b	10.3	9.8	9.7	11.6	10.2	10.2	11.7	10.4	12.2	11.5	13.9	11.1
Rab34	53.5	54.2	49.8	40.6	40.2	47.2	49.7	57.0	58.3	57.3	52.5	51.9
Rab35	15.4	15.4	16.9	17.2	17.3	16.8	19.6	16.8	18.4	16.1	19.0	17.6
Rab36	0.7	0.7	0.7	0.7	0.5	1.1	0.7	0.6	0.6	0.4	0.5	0.4
Rab37	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Rab38	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.4	0.3	0.1
Rab39	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Rab39b	0.3	0.3	0.5	0.5	0.2	0.3	0.5	0.8	0.6	0.3	0.6	0.6
Rab3a	5.5	5.7	4.9	5.7	4.1	7.0	4.6	3.6	4.7	4.8	5.8	4.6
Rab3b	0.1	0.1	0.0	0.3	0.1	0.2	0.0	0.0	0.1	0.2	0.1	0.1
Rab3c	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
Rab3d	7.1	6.2	6.8	6.8	5.4	7.6	3.5	5.3	3.3	4.6	4.8	3.7
Rab3gap1	16.0	13.7	13.8	16.0	14.0	14.4	13.0	12.2	13.7	17.5	15.8	17.0
Rab3gap2	13.1	11.3	9.4	14.6	13.5	13.0	11.9	9.8	10.8	11.9	12.7	11.8
Rab3il1	4.2	7.0	7.1	9.7	7.8	5.8	4.8	8.4	6.2	2.5	4.2	4.0
Rab3ip	21.1	20.6	16.9	25.4	18.5	26.4	20.0	14.9	14.5	13.8	17.0	14.4
Rab40b	2.6	4.7	5.9	1.4	2.4	2.1	3.1	3.5	3.9	5.4	3.5	4.0
Rab40c	4.1	3.4	3.4	3.3	4.3	3.5	3.0	3.2	3.3	4.5	3.3	3.7
Rab42	1.3	1.6	1.2	1.2	1.5	0.9	1.0	1.2	0.9	1.3	1.0	0.7
Rab43	10.0	8.7	8.1	13.1	9.8	12.2	9.2	7.9	8.1	9.1	9.0	8.8
Rab44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rab4a	5.1	3.1	3.7	3.7	2.7	4.4	3.9	4.0	3.9	3.5	3.9	4.3
Rab4b	17.9	18.8	18.1	18.6	19.6	16.9	21.6	23.9	22.4	18.4	18.2	20.2
Rab5a	38.6	38.4	39.7	41.0	37.0	39.4	39.2	37.3	39.6	39.6	46.9	46.9
Rab5b	44.8	45.8	43.3	53.2	40.5	51.0	46.4	41.8	41.8	40.4	45.0	45.0
Rab5c	78.1	69.6	66.6	93.2	86.0	85.8	79.9	71.1	68.6	74.5	75.3	73.0
Rab6a	29.9	26.6	26.5	33.4	26.3	30.4	31.2	28.1	29.8	30.5	34.0	33.0
Rab6b	3.4	3.1	3.0	5.0	2.4	3.9	3.8	3.0	2.9	3.3	2.7	2.8
Rab7	155.2	129.6	121.3	177.0	146.6	163.7	138.8	118.9	111.4	133.0	140.2	150.3

Online Table 1

Rab7I1	24.6	28.9	33.4	23.4	27.1	21.1	20.6	23.8	25.4	19.9	21.3	28.9
Rab8a	33.7	30.3	36.0	43.0	33.1	35.9	40.7	37.3	32.0	31.7	38.2	40.2
Rab8b	9.0	12.2	16.9	15.6	20.3	8.4	19.2	19.9	16.2	12.6	13.8	17.6
Rab9	20.4	28.1	39.7	21.4	21.2	18.0	26.5	34.6	28.3	27.5	33.0	37.2
Rabac1	134.1	106.2	76.4	129.8	102.2	125.2	103.3	90.0	118.0	111.2	91.8	89.2
Rabep1	22.6	18.6	17.1	23.7	19.1	21.9	18.3	14.9	16.7	18.1	21.0	20.8
Rabep2	7.0	6.8	7.2	6.0	6.6	6.1	6.6	8.1	8.2	7.4	7.2	6.4
Rabepk	8.5	7.7	8.1	7.9	6.7	8.4	8.2	8.0	7.1	7.7	8.0	7.3
Rabgap1	23.6	23.6	23.0	21.2	22.0	22.2	24.1	21.3	21.4	23.2	25.0	25.6
Rabgap1I	13.0	11.7	12.6	11.5	9.1	12.7	11.6	9.3	10.8	11.9	13.2	14.0
Rabgef1	12.3	12.7	10.1	12.5	12.0	13.1	12.9	9.5	10.7	11.2	11.6	11.1
Rabggta	4.4	3.7	2.5	5.1	3.8	4.2	4.1	2.8	4.0	3.8	3.6	3.1
Rabggtb	39.4	32.6	31.2	34.2	30.5	36.7	31.1	28.0	29.3	31.6	31.8	33.6
Rabif	10.6	10.6	9.0	11.0	11.1	10.5	10.1	11.6	11.6	13.3	11.8	11.6
Rabl2	2.3	2.6	2.5	1.7	2.3	2.6	2.9	3.1	2.7	2.5	2.5	2.5
Rabl3	2.3	2.3	2.8	2.8	2.8	1.9	2.0	2.6	2.7	2.4	2.4	2.1
Rabl5	14.7	13.0	10.7	18.1	12.2	15.4	10.2	11.3	9.2	10.5	11.3	11.5
Rabl6	19.6	20.0	22.9	20.2	17.6	20.1	19.2	21.7	18.0	19.8	22.3	22.6
Rac1	106.8	104.8	106.3	121.3	116.0	112.8	121.3	123.6	120.4	111.5	133.2	120.7
Rac2	1.3	0.0	0.1	11.1	21.9	0.0	3.6	0.2	0.7	1.6	0.4	1.2
Rac3	2.1	3.0	2.6	4.0	2.4	5.0	2.1	1.7	2.3	3.2	2.5	2.1
Racgap1	2.9	6.1	9.1	1.9	7.6	1.9	10.7	4.6	7.4	4.6	8.1	4.9
Rad1	6.7	7.0	5.9	5.9	6.0	6.1	5.9	5.2	6.3	6.2	6.2	6.8
Rad17	10.9	12.9	13.1	12.7	11.3	12.2	11.6	11.0	12.2	12.1	12.6	13.5
Rad18	2.9	4.3	5.6	2.1	4.1	2.6	3.9	3.9	3.7	2.9	3.6	4.0
Rad21	12.9	14.3	19.2	13.0	16.2	13.1	19.4	15.0	16.3	15.5	17.5	17.8
Rad23a	20.7	21.3	21.5	22.0	21.1	23.8	21.6	22.6	23.6	21.8	21.4	21.1
Rad23b	59.7	60.2	64.5	72.2	53.9	63.9	65.1	69.2	62.8	69.6	74.5	75.2
Rad50	12.9	12.0	14.6	15.4	12.5	13.2	13.7	11.8	9.8	9.6	13.0	13.0
Rad51	1.3	3.0	4.5	0.9	4.2	0.7	5.3	2.1	3.1	2.3	2.6	1.9
Rad51ap1	1.3	2.6	4.1	0.8	3.8	0.3	3.7	2.0	2.9	1.3	2.7	2.0
Rad51b	1.5	1.4	1.8	0.9	1.1	0.7	0.8	0.4	0.5	0.5	0.4	0.7
Rad51c	0.1	0.4	0.7	0.1	0.4	0.2	0.5	0.4	0.2	0.1	0.3	0.3
Rad51d	2.3	2.0	1.9	2.0	1.7	2.5	1.6	1.8	1.9	2.1	2.1	1.9
Rad52	4.9	5.1	4.1	4.1	4.3	5.0	4.4	4.6	4.8	4.8	5.9	5.8
Rad54b	0.7	1.0	1.9	0.4	1.1	0.5	1.6	0.5	1.3	0.6	1.1	0.9
Rad54I	0.5	1.1	1.6	0.2	1.4	0.2	1.8	0.8	1.4	0.6	1.2	0.7
Rad54I2	2.5	2.8	3.1	2.8	2.4	2.5	2.9	2.7	2.7	2.6	2.5	2.7
Rad9a	9.1	9.1	8.0	9.7	9.0	8.2	8.4	9.2	9.3	9.2	8.8	7.3
Rad9b	0.8	1.6	0.9	0.4	0.5	0.7	0.8	0.6	0.7	0.9	0.7	0.5
Radil	0.6	0.5	0.5	0.5	0.6	1.1	0.6	0.6	0.5	0.4	0.5	0.5
Rae1	17.2	14.2	12.6	16.4	13.1	17.6	13.8	14.2	14.2	14.5	15.5	13.5
Rae1a	2.1	0.8	0.8	1.6	1.4	1.8	0.7	0.2	0.2	1.0	0.7	0.5
Rae1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rae1c	1.9	0.8	0.7	0.6	1.8	1.9	1.2	0.3	0.6	0.9	1.3	0.8
Rae1d	5.7	5.1	6.4	5.9	6.4	5.1	5.1	2.7	3.6	3.0	5.1	3.9
Rae1e	8.0	3.9	5.4	6.6	6.3	5.1	3.0	1.8	2.5	4.0	3.5	4.1
Raf1	20.0	20.1	19.4	19.6	21.1	16.9	20.1	22.1	20.9	18.2	20.6	19.9
Rai1	2.0	3.0	2.5	2.1	2.5	2.5	2.9	2.5	3.0	2.7	2.4	2.1
Rai14	61.6	62.7	55.9	67.1	62.3	40.5	61.9	33.8	60.3	67.6	74.9	101.1
Rai2	2.5	4.2	8.1	2.0	3.3	2.5	4.4	7.2	3.6	2.2	2.4	5.3
Rala	26.7	23.4	24.5	32.6	23.8	26.8	27.1	25.7	24.6	25.2	31.7	29.1
Ralb	24.0	22.7	22.6	24.0	31.6	21.2	28.7	30.4	31.4	28.3	27.5	29.6
Ralbp1	36.5	34.3	34.8	38.2	33.7	34.2	37.5	33.7	32.7	30.3	36.4	38.5
Ralgapa1	7.2	7.8	6.7	6.3	6.3	7.6	5.9	6.0	6.7	7.3	7.6	6.9
Ralgapa2	2.8	2.0	2.6	5.8	9.6	2.0	2.8	2.3	1.9	2.6	2.1	2.4
Ralgapb	13.1	12.8	11.3	13.1	12.0	13.4	11.7	11.8	12.4	11.8	12.4	11.9

Online Table 1

Ralgds	7.9	6.7	7.0	8.1	7.7	8.3	7.9	5.7	6.3	6.8	7.4	6.3
Ralgps1	1.4	1.3	1.0	1.2	1.4	1.8	1.3	1.4	1.0	0.9	1.1	1.0
Ralgps2	5.1	7.7	7.7	4.7	7.1	3.1	7.4	5.8	10.0	5.7	6.4	8.0
Raly	76.1	73.3	65.6	81.3	66.6	65.6	73.5	66.4	71.9	61.2	78.5	65.7
Ramp1	0.1	0.1	0.2	0.3	0.2	0.1	0.2	0.1	0.4	0.5	0.4	0.5
Ramp2	1.5	3.6	6.2	1.2	1.6	1.0	1.7	6.4	1.5	0.6	1.1	1.8
Ramp3	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Ran	120.5	99.2	76.7	118.3	109.2	111.0	95.6	88.4	95.4	100.2	97.3	80.1
Ranbp1	90.1	80.0	93.8	112.5	83.5	87.7	114.5	92.0	78.9	79.9	109.3	92.0
Ranbp10	4.5	4.8	4.4	4.8	4.8	4.0	5.0	5.0	4.7	4.4	4.7	4.5
Ranbp17	0.5	0.5	0.4	0.5	0.4	0.4	0.6	0.5	0.5	0.4	0.6	0.4
Ranbp2	26.5	26.3	23.1	23.9	26.1	24.0	21.9	22.3	21.7	26.1	27.5	25.7
Ranbp3	20.2	20.1	18.0	20.5	19.4	22.5	19.6	20.5	19.7	19.8	19.5	19.2
Ranbp3l	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ranbp6	3.1	3.9	3.8	2.9	3.2	4.2	2.6	3.3	3.7	4.1	3.7	3.8
Ranbp9	16.9	17.8	18.9	18.1	14.6	21.2	15.1	14.3	13.7	14.4	16.0	16.1
Rangap1	17.9	19.2	21.3	19.5	24.4	17.3	25.2	18.1	21.0	18.8	20.7	18.2
Rangrf	7.9	7.3	5.4	7.4	5.7	4.7	6.3	6.5	7.1	7.0	7.4	5.1
Rap1a	29.7	29.6	37.0	35.6	40.5	31.7	39.9	36.9	37.5	37.8	45.1	42.7
Rap1b	55.8	57.7	59.1	73.2	83.0	58.0	64.0	59.5	56.4	59.8	73.4	68.0
Rap1gap	1.1	1.1	0.9	0.9	0.7	1.0	0.6	0.4	0.5	0.6	0.6	0.6
Rap1gap2	2.2	2.3	2.1	2.9	4.5	2.4	5.5	2.5	4.1	3.8	3.7	4.0
Rap1gds1	20.1	18.8	15.3	23.0	21.8	22.1	18.8	16.0	17.2	17.2	18.7	15.9
Rap2a	10.4	12.0	10.7	11.7	14.9	8.5	10.4	9.9	11.8	15.9	12.4	11.0
Rap2b	17.6	17.3	18.7	18.9	18.8	19.3	15.8	19.0	16.2	16.1	16.4	18.0
Rap2c	7.9	8.7	10.7	10.8	10.4	9.8	9.4	8.7	8.7	11.5	11.0	11.5
Rapgef1	18.1	15.4	12.5	18.3	14.2	17.4	17.6	14.3	14.6	13.0	14.7	13.0
Rapgef2	7.1	7.5	7.8	7.5	7.4	6.4	8.2	7.6	7.0	7.2	7.2	7.8
Rapgef3	12.4	10.1	8.2	11.8	8.9	14.0	11.0	9.0	10.1	14.0	12.2	11.9
Rapgef4	0.5	0.3	0.1	0.3	0.4	0.2	0.4	0.2	0.3	0.4	0.3	0.4
Rapgef5	2.3	1.1	1.2	4.9	6.2	0.4	1.5	0.5	0.6	0.5	0.4	0.7
Rapgef6	6.3	9.2	9.3	6.0	6.4	6.2	6.8	7.4	7.9	7.6	8.0	9.7
Rapgef11	0.3	0.6	0.5	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.3
Raph1	4.6	5.5	4.3	5.2	4.9	4.9	4.5	3.1	3.5	3.0	3.5	3.2
Rapsn	2.4	1.5	0.9	2.7	1.5	2.7	1.4	0.5	1.0	1.2	0.9	1.5
Rara	3.3	5.8	6.3	4.5	4.5	5.1	5.4	8.3	5.9	4.4	5.0	5.2
Rarb	1.4	1.4	0.8	0.8	1.0	0.8	0.8	0.5	1.3	1.2	0.9	1.5
Rarg	12.0	14.0	13.1	12.0	11.0	11.8	12.5	13.4	14.2	12.5	12.9	13.5
Rarres1	0.9	0.6	1.0	0.4	0.9	0.2	0.4	0.9	0.6	1.4	0.4	1.2
Rarres2	4.6	4.8	12.0	2.7	6.0	2.4	3.5	4.5	5.0	3.7	2.3	3.5
Rars	76.0	58.3	50.3	88.4	59.8	76.9	58.6	49.0	44.5	54.4	67.7	56.6
Rars2	8.1	9.2	8.8	8.1	8.6	8.4	8.3	9.5	9.2	8.2	10.0	9.2
Rasa1	18.4	16.5	16.3	19.5	19.0	17.7	16.5	14.0	17.2	20.5	19.5	20.8
Rasa2	4.3	5.3	5.2	5.3	5.3	5.1	5.8	5.0	5.6	5.4	5.8	5.8
Rasa3	34.5	62.2	86.5	33.8	50.4	34.8	51.5	74.9	52.6	46.3	42.2	64.1
Rasa4	12.6	13.3	9.3	21.5	15.4	20.4	15.3	11.8	16.9	9.5	13.8	9.3
Rasal1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
Rasal2	3.7	3.7	4.1	3.2	3.5	3.0	4.2	4.2	4.1	4.6	4.3	5.3
Rasal3	0.1	0.0	0.0	0.6	1.4	0.0	0.3	0.0	0.0	0.0	0.0	0.1
Rasd1	0.0	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.1	0.1	0.0	0.1
Rasd2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rasef	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rasgef1a	0.3	0.1	0.1	0.4	0.1	0.3	0.1	0.1	0.0	0.0	0.1	0.1
Rasgef1b	0.6	0.1	0.2	4.8	5.5	0.1	0.8	0.2	0.3	0.6	0.2	0.5
Rasgef1c	0.0	0.1	0.2	0.0	0.1	0.0	0.1	0.2	0.0	0.1	0.1	0.0
Rasgrf2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.2	0.5	0.3
Rasgrp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

Online Table 1

Rasgrp2	0.4	0.4	0.4	0.5	0.2	0.2	0.8	0.5	0.8	0.2	0.4	0.2
Rasgrp3	3.0	1.4	1.1	2.8	1.4	2.5	1.7	2.0	2.1	2.5	2.7	1.2
Rasgrp4	0.2	0.1	0.1	0.2	0.5	0.1	0.2	0.2	0.2	0.1	0.2	0.2
Rasip1	0.2	0.2	0.2	0.3	0.1	0.0	0.1	0.3	0.3	0.1	0.2	0.1
Rasl10a	0.5	0.2	0.3	0.5	0.3	0.5	0.3	0.2	0.3	0.3	0.2	0.2
Rasl10b	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.1	0.1
Rasl11a	9.9	22.0	28.4	4.9	11.4	4.1	11.2	10.2	15.9	50.8	20.6	31.6
Rasl11b	1.7	0.9	2.1	1.3	3.4	1.5	2.5	2.9	2.2	2.9	1.5	2.7
Rasl12	1.8	3.5	4.2	2.0	3.9	1.9	3.6	5.1	4.2	1.9	2.1	3.2
Rasl2-9	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1
Rassf1	18.9	11.9	9.9	19.5	22.1	13.4	23.4	15.7	18.6	19.4	20.8	16.5
Rassf10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rassf2	0.4	0.2	0.5	1.9	2.6	0.1	0.5	1.0	0.4	0.3	0.2	0.2
Rassf3	18.7	14.1	8.8	24.2	19.0	21.9	15.6	6.1	10.4	14.0	15.8	12.6
Rassf4	0.8	0.1	0.1	3.8	9.3	0.1	1.3	0.4	0.3	1.0	0.4	0.5
Rassf5	3.7	2.5	2.2	4.0	4.7	3.5	2.8	1.7	2.1	3.3	2.8	2.3
Rassf6	2.5	2.1	2.1	3.5	4.0	2.6	3.6	1.3	2.0	2.0	2.7	1.5
Rassf7	1.8	1.1	1.1	1.6	1.2	2.0	0.7	1.0	1.5	1.3	1.7	1.1
Rassf8	13.9	12.6	12.0	14.5	9.8	14.0	11.8	11.6	12.0	12.3	15.9	15.6
Rassf9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Raver1	1.5	2.9	3.2	2.9	3.2	1.9	3.6	3.7	3.5	2.9	2.6	2.5
Raver1-fdx11	1.3	0.6	1.2	0.4	1.1	1.2	0.9	0.7	0.7	1.5	1.0	0.8
Raver2	0.7	0.8	0.7	0.6	0.5	1.3	0.7	0.5	0.6	0.5	0.6	0.6
Rax	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Rb1	6.3	8.7	8.9	7.0	7.5	6.8	7.2	7.2	6.5	5.9	8.5	7.3
Rb1cc1	16.0	17.0	17.3	16.4	15.4	15.4	15.0	15.6	16.2	16.1	19.6	19.2
Rbak	2.2	2.4	2.8	2.3	2.2	2.4	2.6	2.0	2.3	3.0	2.7	3.0
Rbbp4	30.5	30.7	28.4	28.9	27.5	30.3	26.0	26.7	28.2	31.9	31.3	29.8
Rbbp5	7.0	7.3	7.7	7.8	7.4	7.8	6.6	7.5	6.5	7.2	7.5	7.0
Rbbp6	6.8	7.7	9.2	8.0	7.4	6.6	9.1	7.8	6.7	7.3	8.2	8.2
Rbbp7	47.0	51.9	48.9	40.9	46.1	38.0	49.6	46.2	51.6	62.1	61.0	55.4
Rbbp8	5.3	5.4	5.4	6.5	5.8	5.1	6.6	5.1	5.7	6.1	6.0	5.3
Rbbp9	8.8	10.8	12.9	10.7	9.1	12.5	9.9	11.7	10.1	11.9	12.0	13.6
Rbck1	19.8	19.3	17.4	16.6	19.4	21.5	21.1	22.5	19.4	20.4	17.7	17.1
Rbfa	17.1	15.6	15.1	18.2	14.1	16.1	16.9	15.4	13.7	16.7	16.6	17.0
Rbfox1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0
Rbfox2	17.1	19.5	19.3	15.9	18.9	16.5	22.0	23.2	20.8	21.5	21.0	19.6
Rbfox3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rbks	1.8	1.6	0.9	1.6	1.5	2.2	1.8	1.4	1.5	1.4	0.9	1.4
Rbl1	2.1	2.6	3.2	1.7	3.0	2.4	2.8	2.4	2.3	1.8	2.5	2.2
Rbl2	10.6	11.0	13.0	12.0	10.0	13.4	10.3	11.5	10.5	12.4	11.9	12.9
Rbm10	5.7	5.8	7.6	5.6	5.9	6.1	7.0	8.7	7.4	7.3	7.7	7.1
Rbm11	0.1	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.1	0.0	0.1
Rbm12	4.1	4.5	4.9	4.0	5.0	4.4	4.4	5.6	5.5	4.5	5.2	5.3
Rbm12b1	4.1	5.7	4.9	4.3	4.7	5.3	4.2	4.4	5.1	5.3	4.6	5.2
Rbm12b2	4.3	5.6	5.8	4.4	5.0	5.3	4.2	4.9	5.0	5.6	5.3	5.8
Rbm14	3.9	4.3	4.9	4.7	5.2	4.5	5.5	5.7	5.1	5.1	4.5	3.8
Rbm15	4.9	5.7	5.6	4.7	6.1	4.6	6.0	5.6	5.9	6.0	5.3	5.2
Rbm15b	9.2	9.8	10.5	8.6	8.5	11.1	9.6	11.4	11.9	10.8	10.4	10.7
Rbm17	52.3	46.5	53.1	56.0	43.9	53.1	56.2	48.1	39.2	46.9	55.4	57.7
Rbm18	10.6	10.4	11.6	12.1	12.0	10.7	11.6	11.3	12.2	13.3	12.7	13.3
Rbm19	4.9	3.9	3.4	5.7	4.6	4.2	4.2	4.0	3.6	4.1	3.8	3.3
Rbm20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2
Rbm22	10.5	11.9	13.2	11.5	10.9	11.2	12.8	13.6	12.8	12.4	13.8	14.1
Rbm24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rbm25	22.4	23.6	28.0	26.4	21.1	20.3	29.0	24.7	19.6	21.2	30.6	29.5
Rbm26	5.4	6.2	8.4	5.6	6.4	5.9	7.5	6.8	5.5	7.4	7.9	7.0

Online Table 1

Rbm27	4.4	5.1	5.5	5.2	4.5	4.2	4.9	5.1	4.2	4.6	5.0	5.5
Rbm28	27.8	20.9	19.4	29.1	19.2	25.9	21.2	20.2	19.2	25.8	25.7	19.4
Rbm3	51.0	27.3	39.8	46.9	36.0	30.1	51.4	40.0	33.4	25.3	46.3	48.6
Rbm33	2.4	3.2	3.2	2.7	2.6	2.5	2.9	2.6	2.5	2.6	2.6	2.7
Rbm34	4.2	4.8	4.6	5.1	4.4	4.9	4.4	4.3	4.2	4.5	5.3	4.6
Rbm38	0.5	0.6	0.5	1.0	1.2	0.6	0.7	0.5	0.4	1.1	0.7	0.4
Rbm39	53.7	58.5	68.9	54.7	51.0	49.6	55.9	67.1	57.2	66.8	68.0	70.6
Rbm4	4.4	5.0	4.4	5.4	4.9	4.2	5.5	6.4	5.3	4.8	5.1	4.1
Rbm41	2.4	3.2	3.6	2.4	2.6	2.0	2.7	3.4	3.0	2.5	3.7	3.8
Rbm42	30.9	31.9	25.9	32.9	28.6	29.1	29.7	31.6	30.5	29.9	27.9	26.5
Rbm43	11.6	9.0	9.5	12.1	10.5	11.6	9.3	7.2	7.6	9.0	10.6	10.2
Rbm44	0.1	0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Rbm45	23.8	21.7	21.4	21.3	20.5	21.1	22.5	22.3	21.5	23.4	23.4	23.2
Rbm46	0.3	0.4	0.4	0.1	0.2	0.0	0.2	0.4	0.4	0.2	0.3	0.2
Rbm47	0.7	0.7	0.5	1.2	1.3	0.7	0.5	0.3	0.3	0.5	0.5	0.6
Rbm48	1.9	1.9	3.0	2.1	2.1	2.1	2.0	2.0	1.6	2.4	2.2	2.4
Rbm4b	2.8	3.6	3.8	2.9	2.5	3.3	3.0	3.7	2.7	3.4	3.8	3.5
Rbm5	25.7	29.2	35.1	28.3	26.5	26.3	29.3	35.0	31.8	30.2	34.3	36.1
Rbm6	18.8	19.1	21.1	18.4	16.2	17.6	17.2	18.8	17.7	18.6	21.0	22.4
Rbm7	25.4	23.7	26.9	30.7	22.0	27.5	24.1	25.8	23.5	26.1	30.3	29.4
Rbm8a	17.5	17.1	19.5	21.0	14.1	17.5	17.8	16.9	15.4	17.8	20.1	21.5
Rbms1	43.7	47.0	47.5	46.6	43.3	37.9	57.8	51.2	53.5	48.7	58.0	54.8
Rbms2	12.6	12.0	12.3	11.4	10.2	12.0	12.3	14.2	13.0	11.6	13.5	12.8
Rbms3	22.7	28.6	32.7	22.8	25.2	22.5	32.5	33.3	31.5	25.6	31.0	31.2
Rbmx	6.8	8.1	9.9	6.0	7.3	5.4	8.1	9.1	8.2	5.5	7.1	7.0
Rbmx2	2.3	2.6	2.7	1.6	2.9	2.1	3.7	2.7	2.7	2.8	3.2	2.6
Rbmx11	16.7	15.4	17.7	16.7	15.3	16.3	18.5	15.7	16.3	20.6	18.8	19.1
Rbp1	33.7	23.4	29.9	36.7	36.6	27.5	57.1	20.9	58.6	67.5	51.4	73.7
Rbp4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Rbpj	23.5	16.8	14.2	29.4	22.0	34.2	11.8	8.1	8.3	13.8	12.3	11.5
Rbpjl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Rbpms	9.1	11.1	12.1	10.2	7.3	8.9	10.8	9.6	7.8	10.9	10.2	9.4
Rbpms2	2.4	2.7	2.6	3.1	2.0	3.7	2.4	2.1	2.4	1.8	1.8	2.0
Rbx1	38.7	35.2	34.8	40.8	34.1	34.7	35.5	35.8	39.2	42.8	40.0	39.6
Rc3h1	4.5	5.5	5.5	4.7	5.4	5.0	4.9	5.7	4.9	5.4	5.7	5.3
Rc3h2	11.0	12.8	11.4	12.8	10.8	11.9	11.1	10.1	10.4	10.7	12.7	11.9
Rcan1	11.5	7.3	6.2	12.9	8.9	10.4	9.8	6.9	6.9	9.7	10.4	8.3
Rcan2	12.4	12.1	9.2	10.1	4.5	11.3	3.1	2.9	3.3	6.3	5.4	5.4
Rcan3	6.5	5.8	4.8	7.4	5.6	8.5	5.9	5.1	5.8	4.3	5.2	5.5
Rcbtb1	12.3	11.7	10.6	10.3	9.4	13.7	8.7	8.9	9.7	10.2	11.5	10.6
Rcbtb2	11.4	12.4	11.8	12.6	10.2	14.4	9.9	11.4	11.0	11.3	10.7	12.5
Rcc1	3.3	3.2	3.2	3.3	4.2	2.6	5.2	3.6	4.1	3.7	3.5	3.3
Rcc2	16.6	15.4	14.8	18.1	19.7	17.7	18.6	25.1	19.8	18.9	18.3	14.6
Rccd1	2.2	2.3	1.8	2.1	2.2	1.6	1.4	1.4	2.4	1.8	2.1	1.7
Rce1	7.1	8.3	7.3	7.9	7.9	5.8	9.0	10.3	9.9	8.0	8.8	6.9
Rchy1	15.0	12.6	11.6	12.9	10.9	12.0	10.4	10.4	10.8	16.6	11.3	12.7
Rcl1	6.8	7.1	7.3	6.7	8.0	6.6	8.2	7.9	7.7	8.3	7.4	7.0
Rcn1	117.6	94.5	100.9	139.0	94.0	137.6	117.2	101.0	100.6	118.5	121.6	130.4
Rcn2	115.6	86.3	85.2	100.3	88.2	112.5	94.1	75.6	89.3	102.7	105.4	104.9
Rcn3	272.8	246.5	308.6	326.7	276.3	306.0	364.5	339.6	317.6	338.4	312.6	351.8
Rcor1	7.3	10.5	9.7	8.0	8.2	7.5	9.6	9.2	9.0	8.5	9.4	8.2
Rcor2	0.6	1.0	0.8	0.5	0.3	0.5	0.4	1.3	0.6	0.5	0.6	0.3
Rcor3	3.5	3.6	4.9	4.0	3.6	4.2	4.4	5.9	4.8	3.4	4.1	3.8
Rcsd1	6.0	7.6	8.8	9.4	10.2	6.1	6.9	6.0	5.4	5.8	5.3	6.8
Rcvrn	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0
Rd3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Rdh1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Rdh10	1.9	1.6	1.5	2.2	2.6	1.5	2.3	1.6	2.5	3.9	3.0	2.4
Rdh11	16.8	18.7	16.9	13.9	14.8	15.2	20.4	16.8	19.0	13.0	17.5	13.1
Rdh12	0.3	0.8	0.9	0.5	0.6	0.6	0.6	0.6	0.4	0.6	0.3	0.5
Rdh13	3.7	3.8	3.1	4.7	3.9	4.2	4.0	3.4	3.7	3.1	3.6	3.2
Rdh14	12.6	11.1	10.7	11.3	10.7	10.0	9.8	11.5	11.7	13.2	13.8	13.8
Rdh16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rdh19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rdh5	2.0	2.1	2.5	1.3	2.8	2.7	2.2	3.2	2.2	2.0	2.5	2.5
Rdh9	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0
Rdm1	1.7	3.6	2.4	0.6	2.5	3.2	2.7	2.0	3.3	4.2	5.1	2.8
Rdx	43.9	47.7	57.3	50.6	40.7	46.1	46.5	47.9	42.1	45.3	56.8	59.6
Rec8	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.2	0.0
Reck	18.7	17.6	21.3	11.3	10.5	15.4	13.2	13.9	13.0	13.3	14.4	16.9
Recql	9.9	10.6	10.0	9.5	11.0	9.1	10.9	8.4	9.7	9.0	9.8	9.5
Recql4	0.3	0.4	0.6	0.2	0.4	0.2	0.8	0.5	0.4	0.3	0.3	0.3
Recql5	3.3	3.2	3.5	2.7	3.0	2.7	3.1	3.4	3.5	3.1	2.9	3.5
Reep1	0.3	0.2	0.2	0.2	0.1	0.4	0.2	0.2	0.3	0.8	0.4	0.2
Reep2	0.6	0.3	0.5	0.3	0.6	0.6	0.3	0.1	0.3	0.5	0.4	0.4
Reep3	11.0	9.2	9.2	14.8	11.9	14.4	10.3	11.4	8.9	8.8	11.0	9.8
Reep4	6.2	5.5	7.1	5.5	7.2	5.0	8.8	6.2	7.2	6.3	6.6	5.3
Reep5	57.9	50.4	42.4	73.4	56.7	60.6	51.7	44.1	44.6	47.7	52.4	51.7
Reep6	0.4	0.4	0.6	0.5	0.5	0.4	0.5	0.3	0.3	0.4	0.4	0.3
Reg4	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Rel	0.6	0.6	0.6	0.7	1.2	0.8	0.8	0.7	0.7	0.6	0.7	0.8
Rela	15.0	16.8	15.1	20.5	18.9	16.5	21.4	15.2	15.5	13.2	14.1	13.9
Relb	11.0	9.6	9.0	9.6	13.5	10.5	13.0	9.3	10.4	9.1	7.4	9.2
Rel1	5.4	6.4	7.0	6.3	5.2	6.7	6.1	5.8	7.6	4.9	6.6	6.8
Rel2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.0
Reln	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Relt	0.8	0.9	1.0	1.2	1.4	1.2	1.5	1.3	1.0	1.1	1.2	0.9
Rem1	1.0	0.5	0.8	0.8	0.5	1.5	0.7	0.6	0.5	2.0	1.0	1.3
Rem2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renbp	43.5	28.9	23.3	46.9	35.2	46.2	24.6	21.3	20.5	33.6	26.4	33.1
Rep15	3.1	3.6	3.7	3.6	3.1	4.9	4.9	3.9	4.7	6.3	5.6	6.3
Repin1	5.7	5.9	5.6	5.3	5.4	7.2	4.5	5.5	5.3	4.5	4.6	4.2
Reps1	10.9	11.1	9.4	9.9	10.0	10.3	10.8	10.0	10.4	12.2	11.5	10.3
Reps2	0.6	1.1	1.8	0.8	1.2	0.4	0.8	1.4	1.0	0.8	0.6	0.9
Rer1	100.7	84.2	74.1	95.4	85.7	87.3	89.4	75.2	85.8	91.7	95.9	98.3
Rere	2.4	3.1	3.6	2.3	2.1	2.9	3.0	2.9	2.7	3.6	3.0	3.2
Rerg	1.8	2.2	1.8	1.7	1.4	1.4	1.3	0.9	1.2	1.5	0.8	1.7
Rest	13.0	11.4	13.3	12.9	13.1	13.2	13.6	13.1	12.0	14.6	15.0	14.5
Ret	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.1
Retsat	6.6	6.9	6.5	9.0	7.4	8.5	6.5	6.0	5.9	7.3	5.3	6.3
Rev1	5.6	6.1	5.8	4.5	5.1	4.8	4.9	5.8	5.1	5.8	4.9	5.4
Rev3l	2.6	3.8	4.6	2.3	2.5	2.6	2.2	3.8	2.6	2.6	2.5	2.7
Rex2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1
Rexo1	2.1	2.4	3.0	2.2	2.5	2.3	2.9	2.9	2.8	2.7	2.4	2.2
Rexo2	101.6	83.0	88.6	117.5	87.6	99.3	100.9	95.4	90.1	95.9	111.6	98.0
Rexo4	11.9	11.8	12.5	12.5	11.6	11.3	12.8	13.1	10.4	12.1	12.6	12.1
Rfc1	10.1	12.4	13.1	10.3	10.4	13.1	11.3	12.1	10.4	10.4	11.3	11.0
Rfc2	12.6	13.8	14.5	11.8	13.8	11.1	13.7	12.5	12.0	10.8	12.4	10.8
Rfc3	5.4	6.8	7.9	6.1	7.1	4.4	7.3	5.5	6.8	6.6	6.7	5.8
Rfc4	4.8	5.2	5.4	3.1	5.7	3.7	4.4	3.9	5.5	3.7	3.9	2.7
Rfc5	2.7	3.0	4.9	2.0	3.6	1.7	5.7	4.7	3.9	3.1	3.3	3.4
Rfesd	6.2	4.8	3.8	5.6	4.1	6.8	4.1	3.8	4.6	5.9	5.9	6.3
Rffl	2.3	2.7	3.2	1.9	2.3	1.9	2.7	3.1	2.9	2.9	2.2	2.9
Rfk	23.7	18.1	15.3	27.0	18.3	27.1	15.7	14.3	14.4	18.1	19.0	18.1

Online Table 1

Rfng	2.2	3.0	2.7	2.3	2.2	2.7	2.5	2.0	2.4	2.2	2.4	2.2
Rft1	9.7	8.5	9.6	9.8	8.5	9.3	7.8	8.0	8.7	8.3	9.3	9.6
Rftn1	33.3	46.2	42.4	32.7	37.3	27.9	44.8	37.3	45.9	38.5	37.7	42.9
Rftn2	4.2	3.3	3.5	6.5	3.4	5.0	3.9	4.4	3.8	2.9	4.2	4.5
Rfwd2	31.6	27.9	24.3	28.3	25.3	31.2	22.9	23.9	25.1	25.8	30.5	26.1
Rfwd3	8.2	9.6	9.5	7.8	9.3	7.7	8.1	8.0	8.4	7.9	8.4	7.6
Rfx1	1.1	1.7	1.4	1.1	1.6	1.1	1.8	1.3	1.6	1.4	1.2	0.8
Rfx2	0.2	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Rfx3	0.1	0.3	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.2
Rfx5	4.2	5.0	7.1	5.0	5.2	5.1	5.0	5.0	5.1	4.8	4.2	4.6
Rfx7	2.7	3.9	3.8	2.6	3.1	3.1	3.0	3.5	3.0	3.2	3.3	2.7
Rfx8	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rfxank	1.2	1.6	1.7	1.2	1.4	1.6	1.2	1.6	1.3	1.2	1.1	1.4
Rfxap	4.0	3.1	3.2	3.9	3.0	3.8	4.1	3.1	3.6	4.2	4.8	4.5
Rgag1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Rgag4	2.1	2.0	1.7	2.3	3.2	2.9	1.8	0.9	1.6	1.3	1.7	1.4
Rgcc	0.7	2.8	5.6	0.3	0.7	0.2	1.2	4.2	3.3	2.2	1.5	2.3
Rgl1	21.3	32.9	34.1	21.2	21.8	18.4	21.9	23.1	23.7	23.3	23.6	27.3
Rgl2	7.1	6.4	5.2	8.1	8.1	6.5	6.2	5.2	6.0	5.3	5.1	4.5
Rgl3	1.6	1.7	1.9	1.0	1.3	1.3	1.2	1.6	2.3	1.4	1.3	1.4
Rgma	0.7	1.7	2.4	0.8	0.9	0.8	1.1	2.4	1.4	0.8	0.9	0.9
Rgmb	4.4	5.6	5.5	4.5	4.5	5.8	5.5	5.5	5.6	6.4	4.8	5.4
Rgn	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.2
Rgp1	4.6	4.9	4.5	4.4	4.9	5.1	5.0	4.5	5.0	4.4	5.0	4.4
Rgs1	0.4	0.0	0.1	5.8	8.4	0.1	1.4	0.2	0.3	1.5	0.3	0.8
Rgs10	16.4	14.9	21.0	27.2	30.4	19.8	18.1	18.6	17.4	17.9	18.5	16.8
Rgs11	0.5	0.3	0.4	0.7	0.7	0.4	0.7	0.3	0.7	0.9	0.5	0.4
Rgs12	9.9	7.8	7.2	9.9	12.1	8.1	11.4	5.8	7.5	8.4	7.5	7.4
Rgs14	0.1	0.0	0.0	0.6	1.8	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Rgs16	1.4	1.7	3.7	1.5	3.9	1.1	4.1	2.6	3.1	9.1	3.6	4.8
Rgs17	0.3	0.6	0.7	0.4	0.7	0.4	0.5	0.4	0.8	0.3	0.4	0.6
Rgs18	0.0	0.0	0.0	1.4	1.7	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Rgs19	11.9	9.6	10.6	13.8	15.4	11.3	12.4	13.3	12.0	11.3	12.9	10.1
Rgs2	0.7	0.3	0.3	4.8	6.9	0.2	0.8	0.3	0.4	0.9	0.2	0.6
Rgs20	0.0	0.0	0.1	0.1	0.1	0.2	0.4	0.0	0.0	0.0	0.2	0.1
Rgs22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rgs3	11.9	10.2	12.6	12.4	15.3	8.6	11.8	10.4	10.6	8.1	8.5	9.9
Rgs4	7.3	8.9	13.6	5.5	5.4	6.8	3.3	10.1	5.9	2.7	5.5	3.8
Rgs5	0.6	0.6	0.8	0.9	0.9	0.1	0.2	0.6	0.5	0.4	0.6	0.5
Rgs6	0.2	0.1	0.2	0.2	0.1	0.2	0.0	0.1	0.1	0.0	0.0	0.1
Rgs7	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rgs7bp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rgs8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rgs9	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.2	0.2	0.1	0.2	0.1
Rgs9bp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rgs1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhag	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhbdd1	24.4	17.8	14.1	26.8	15.6	25.2	18.3	19.2	15.9	14.9	19.3	14.6
Rhbdd2	2.7	2.8	2.2	2.6	2.2	3.0	2.6	1.9	2.2	2.3	2.1	2.3
Rhbdd3	4.1	3.6	2.6	3.4	3.2	4.3	3.2	2.9	4.3	3.3	2.9	3.4
Rhbdf1	15.3	15.2	15.1	16.8	16.2	13.9	23.8	23.0	24.0	16.7	17.9	15.1
Rhbdf2	4.9	5.1	5.0	4.0	6.7	3.8	3.7	3.5	2.5	4.1	3.8	3.2
Rhbd1	2.8	4.1	3.5	2.0	1.8	2.6	1.8	1.9	2.3	3.9	2.6	2.6
Rhbd2	0.5	0.3	0.8	0.4	0.8	0.4	0.2	0.1	0.2	0.2	0.2	0.2
Rhbd3	0.4	0.5	0.7	0.2	0.3	0.5	0.4	0.7	0.5	1.0	0.7	0.9
Rhd	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.0
Rheb	51.2	42.8	40.5	57.4	47.6	49.6	46.8	37.1	47.9	53.4	51.2	51.4

Online Table 1

Rhebl1	0.7	1.0	0.9	1.0	0.9	1.1	0.5	0.7	1.3	0.9	0.9	0.8
Rhno1	6.1	6.1	7.2	6.6	6.5	7.2	8.4	7.6	6.5	6.7	7.5	6.7
Rho	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1
Rhoa	148.3	127.7	126.7	196.2	146.6	165.4	182.3	167.6	157.1	146.7	197.0	168.7
Rhob	29.0	28.3	24.5	32.3	33.9	26.1	32.4	38.5	41.0	33.7	30.0	23.9
Rhobtb1	1.9	3.1	4.9	1.7	1.5	1.7	1.3	3.0	1.9	1.7	1.5	2.0
Rhobtb2	1.9	2.0	2.2	1.8	2.0	2.0	1.9	2.3	2.1	2.4	2.1	2.1
Rhobtb3	16.3	16.4	14.1	15.2	10.3	19.2	11.6	14.1	15.9	11.6	15.0	13.4
Rhoc	163.9	121.6	105.3	184.0	135.9	174.1	160.4	131.0	126.6	144.8	159.6	148.4
Rhod	22.5	18.5	16.8	21.2	20.4	23.0	18.5	15.9	18.9	21.2	18.0	20.4
Rhof	0.1	0.2	0.2	0.5	0.9	0.2	0.4	0.3	0.2	0.3	0.1	0.1
Rhog	16.4	17.5	15.1	21.6	26.7	19.7	17.9	16.2	15.8	17.1	15.8	15.9
Rhoh	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhoj	38.1	29.5	31.7	29.7	32.0	25.6	32.9	31.1	31.0	49.7	45.6	40.5
Rhoq	44.1	41.8	40.7	50.0	45.5	50.1	41.5	43.7	41.5	37.7	45.1	46.3
Rhot1	13.4	13.3	11.4	13.3	12.7	13.1	12.1	13.2	13.5	14.0	13.3	13.9
Rhot2	5.1	5.5	5.2	5.8	4.8	6.0	4.6	4.0	5.1	4.7	4.8	4.0
Rhou	9.6	11.8	16.7	7.2	9.2	8.4	9.5	17.2	15.7	17.6	14.4	15.7
Rhov	0.1	0.0	0.1	0.5	0.4	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Rhox5	19.9	27.5	23.3	30.9	29.3	39.4	37.5	29.4	31.1	14.0	31.2	17.8
Rhpn1	0.2	0.4	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.4	0.2	0.0
Rhpn2	0.8	0.5	0.6	0.3	0.2	0.2	0.2	0.7	0.3	1.2	0.8	0.5
Rian	31.4	26.6	25.4	32.6	27.3	32.8	42.3	43.3	56.4	55.3	65.6	41.9
Ribc1	0.8	1.0	0.8	1.2	0.9	0.8	0.7	1.1	0.7	1.0	1.0	0.9
Ribc2	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.1	0.1
Ric3	1.8	0.8	0.8	1.9	0.7	1.7	1.2	0.8	0.5	0.4	0.5	0.4
Ric8	24.4	19.6	15.9	25.2	19.8	24.2	21.5	20.7	20.9	21.2	21.6	19.6
Ric8b	4.0	4.1	3.8	3.7	3.7	3.8	3.8	3.8	3.6	3.6	3.7	4.0
Rictor	7.0	7.6	6.8	6.5	6.8	6.8	7.3	6.3	7.6	7.1	7.3	7.8
Rif1	3.2	4.1	4.7	2.3	3.2	2.9	3.0	3.4	3.3	2.8	3.5	3.5
Riiaad1	7.6	5.7	3.3	7.9	5.4	6.4	3.9	3.1	3.9	4.0	3.4	3.1
Rilp	1.5	0.8	0.9	1.3	1.0	1.0	1.4	1.3	1.4	0.7	1.9	1.3
Rilpl1	17.9	16.2	17.6	19.8	12.6	21.4	16.2	16.3	17.3	16.3	16.8	18.3
Rilpl2	9.7	9.4	8.6	10.6	12.0	9.3	9.3	11.3	10.0	9.7	7.3	9.1
Rimbp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rimkla	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rimklb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rims1	0.3	0.2	0.3	0.3	0.2	0.3	0.1	0.1	0.1	0.0	0.1	0.1
Rims2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rims3	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
Rims4	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Rin1	6.3	3.2	2.3	5.2	3.4	4.9	4.3	3.5	2.7	5.4	4.9	3.3
Rin2	4.1	4.9	7.3	4.3	4.6	4.0	3.1	5.4	3.8	6.4	4.4	6.1
Rin3	0.3	0.2	0.2	0.8	1.4	0.2	0.9	0.7	0.6	0.3	0.6	0.5
Ring1	5.9	5.2	6.1	5.8	5.2	5.6	5.5	6.5	7.4	5.8	5.0	4.1
Rinl	0.3	0.3	0.2	1.7	2.4	0.1	0.5	0.2	0.1	0.3	0.2	0.3
Rint1	10.2	11.0	9.0	11.1	9.3	10.6	8.8	9.4	8.8	9.8	9.7	10.0
Riok1	8.2	7.8	9.1	7.5	6.9	7.6	8.5	8.0	7.7	8.7	9.6	9.1
Riok2	13.4	14.3	11.7	14.8	10.1	13.9	10.4	9.4	8.2	11.0	11.4	10.4
Riok3	29.9	27.2	23.0	34.0	32.6	29.9	23.1	21.5	23.3	24.1	25.4	24.2
Ripk1	15.0	13.7	15.0	16.0	15.0	13.6	15.3	16.1	14.8	14.0	16.5	17.8
Ripk2	13.1	14.0	14.5	13.9	24.0	11.5	23.7	13.7	19.3	18.6	18.7	18.8
Ripk3	12.7	12.6	9.2	12.8	14.0	12.8	14.2	8.5	11.5	16.1	13.0	11.8
Ripk4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ripply3	0.1	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Rit1	18.3	15.9	15.3	22.4	16.7	20.2	19.2	15.8	17.7	18.2	18.9	17.7
Rit2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Rlf	7.1	7.8	7.2	6.3	7.2	7.0	6.6	7.0	8.2	7.2	7.6	8.5
Rlim	16.0	17.2	17.8	19.0	18.3	17.2	16.4	19.2	16.5	18.6	20.3	20.1
Rln1	0.2	0.5	0.5	0.1	0.4	0.3	0.0	0.1	0.1	0.0	0.3	0.0
Rln3	0.2	0.0	0.0	0.6	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.1
Rltpr	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Rmdn1	5.1	5.3	3.9	4.3	3.9	5.3	3.7	3.9	3.9	5.0	4.7	4.8
Rmdn2	6.0	6.1	9.6	8.1	7.3	5.4	8.9	6.1	7.4	7.3	7.9	9.5
Rmdn3	11.3	11.5	10.8	13.2	10.1	13.8	12.3	10.1	10.4	12.6	11.8	10.5
Rmi1	4.3	4.9	5.1	5.8	6.2	4.5	4.2	5.0	5.1	5.2	5.2	5.4
Rmi2	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0
Rmnd1	5.0	4.8	4.1	5.6	4.2	5.0	4.6	4.1	4.1	4.0	5.1	5.1
Rmnd5a	10.9	12.6	12.6	10.3	12.1	11.3	9.9	12.0	13.4	11.3	12.4	12.4
Rmnd5b	10.6	11.2	8.1	11.3	10.1	11.0	11.0	8.7	10.0	9.9	9.6	8.9
Rmrp	13901.2	12873.3	13315.8	7095.6	13618.9	8687.1	9228.5	14497.7	21791.7	16337.5	7835.1	9254.6
Rn4.5s	785.0	1010.3	1075.9	651.9	1659.5	692.1	868.7	1406.8	3124.0	1492.8	650.5	888.4
Rn45s	12.1	18.1	14.5	20.3	18.2	16.1	13.5	23.7	48.6	31.2	20.5	13.8
Rnase1	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Rnase10	0.6	0.8	1.2	0.6	0.6	0.4	0.4	0.4	0.6	0.7	0.7	0.5
Rnase4	158.6	144.0	147.7	127.1	160.1	120.9	138.8	167.1	127.2	148.7	160.5	132.7
Rnase6	0.1	0.0	0.0	1.1	1.9	0.0	0.1	0.1	0.1	0.0	0.0	0.2
Rnaseh1	8.6	8.8	10.0	10.7	8.4	8.7	10.6	8.1	8.1	8.5	10.5	9.2
Rnaseh2a	4.4	4.4	5.3	4.3	4.0	4.0	5.0	5.8	4.8	5.5	4.8	5.0
Rnaseh2b	8.6	7.9	8.9	7.8	8.8	6.2	9.1	9.3	8.6	6.7	7.9	7.6
Rnaseh2c	23.9	27.8	20.5	21.5	25.6	25.0	20.3	20.4	25.1	25.8	19.5	20.4
Rnasek	92.4	80.1	71.0	116.9	92.7	98.6	85.3	71.2	70.2	82.1	70.3	76.5
Rnasek	2.0	2.0	3.3	3.1	2.2	2.5	1.5	1.7	1.6	2.2	2.2	2.3
Rnaset2a	41.0	37.4	35.9	67.8	54.0	48.2	44.2	38.2	32.7	36.7	38.4	41.4
Rnaset2b	27.4	18.7	18.4	32.8	25.6	25.1	22.5	19.1	17.9	19.9	19.3	20.4
Rnd1	30.4	20.5	13.5	29.8	18.9	27.8	17.0	6.0	12.4	21.9	18.7	16.5
Rnd2	5.7	8.2	5.3	5.9	4.2	6.6	5.5	5.9	4.6	3.8	4.4	4.8
Rnd3	71.4	55.3	46.3	85.0	52.8	67.1	57.4	46.2	57.1	100.0	83.4	65.6
Rnf10	29.6	29.8	24.8	29.7	25.5	31.8	28.8	26.2	27.5	24.3	26.2	23.6
Rnf103	10.3	9.9	9.1	10.8	9.7	10.1	9.8	8.7	10.2	9.6	9.4	10.9
Rnf11	66.7	62.3	54.4	86.6	63.5	79.9	62.1	52.8	57.9	59.2	73.2	66.6
Rnf111	7.5	8.3	7.4	7.7	8.3	6.9	9.0	7.3	8.1	7.7	9.0	7.9
Rnf112	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.1	0.1	0.2	0.1
Rnf113a1	1.8	1.2	1.8	2.1	1.6	2.3	1.8	1.4	1.0	1.5	2.0	1.3
Rnf113a2	7.1	8.3	8.3	6.8	7.9	7.2	8.6	7.1	6.9	9.1	9.1	10.8
Rnf114	14.9	13.5	13.9	15.9	15.2	13.7	13.2	12.9	14.9	14.9	14.5	16.1
Rnf115	11.3	11.3	13.2	14.6	16.6	12.3	11.7	12.6	11.7	14.2	13.9	16.3
Rnf121	8.2	7.9	8.2	9.0	9.7	9.4	9.0	9.9	9.3	9.1	8.8	9.4
Rnf122	1.2	1.4	1.6	1.2	1.2	1.3	1.1	1.5	1.3	1.8	1.2	1.5
Rnf123	7.3	6.1	5.5	7.1	6.5	6.9	6.7	6.2	6.8	5.7	5.7	6.1
Rnf125	0.7	1.1	1.5	0.7	0.9	1.2	1.3	1.6	1.0	1.0	1.0	1.7
Rnf126	7.6	7.7	7.2	6.6	8.4	7.9	10.7	9.1	10.7	9.3	7.5	7.3
Rnf128	3.5	0.8	0.6	9.4	13.4	2.2	2.4	0.9	1.7	5.7	5.1	4.0
Rnf13	44.4	37.8	42.0	59.1	46.7	53.9	41.8	39.9	41.3	38.5	47.8	47.3
Rnf130	36.7	35.9	30.9	45.8	41.9	43.5	29.6	27.2	27.8	30.4	30.0	34.4
Rnf135	4.5	4.7	4.4	5.5	5.4	4.8	3.9	4.2	4.3	4.1	3.8	3.5
Rnf138	3.8	4.2	4.3	3.4	3.2	4.3	3.1	3.5	3.7	4.6	4.2	3.9
Rnf139	6.2	6.5	6.9	5.3	6.5	7.2	6.5	7.0	7.5	8.0	7.9	7.5
Rnf14	33.9	31.3	26.9	32.3	29.1	32.3	28.0	24.2	29.4	26.8	28.2	26.9
Rnf141	30.2	26.0	21.1	30.9	22.7	32.4	19.5	16.4	20.0	18.4	20.5	21.3
Rnf144a	0.2	0.1	0.3	0.2	0.2	0.0	0.2	0.5	0.4	0.2	0.1	0.1
Rnf144b	0.3	0.1	0.1	0.3	0.1	0.1	0.0	0.0	0.1	0.2	0.2	0.1
Rnf145	17.9	12.7	12.2	14.8	16.2	13.4	20.3	14.5	17.7	16.9	20.4	16.0
Rnf146	12.7	13.3	14.3	14.3	12.2	14.4	13.4	13.6	12.4	13.1	15.0	14.1

Online Table 1

Rnf149	23.9	19.8	19.1	34.0	33.8	23.0	23.6	17.6	18.3	28.8	23.5	26.6
Rnf150	2.9	3.7	5.7	4.2	5.5	2.3	3.9	5.2	4.5	4.0	2.9	4.1
Rnf151	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Rnf152	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Rnf157	1.0	1.5	1.4	1.6	1.1	1.9	1.1	0.9	0.9	0.9	1.1	1.1
Rnf165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rnf166	16.4	16.2	16.5	17.5	15.5	20.4	15.8	15.2	15.3	15.9	16.3	13.3
Rnf167	11.0	11.2	9.2	11.6	9.5	12.2	9.7	10.4	9.6	11.5	8.6	11.1
Rnf168	6.1	5.9	6.9	6.7	6.3	5.9	6.6	6.3	6.0	6.1	7.6	6.9
Rnf169	7.2	8.3	8.0	6.7	7.2	7.4	6.4	5.9	7.4	8.3	7.0	6.7
Rnf17	1.1	1.0	1.1	0.8	0.9	1.6	0.8	0.9	0.8	1.0	1.1	0.8
Rnf170	8.9	9.6	11.1	9.2	7.8	7.5	7.4	9.8	8.9	7.1	9.0	9.7
Rnf180	0.1	0.0	0.0	0.4	0.6	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Rnf181	118.4	135.3	129.4	111.6	114.4	117.7	140.4	144.6	143.3	138.4	144.0	137.5
Rnf182	0.2	0.2	0.2	0.1	0.2	0.4	0.1	0.1	0.1	0.1	0.2	0.1
Rnf183	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Rnf185	9.9	7.8	7.5	9.8	7.7	9.7	7.8	7.7	7.5	9.1	9.0	9.0
Rnf187	51.2	38.5	33.0	46.5	37.1	48.6	39.1	38.4	37.5	43.4	36.0	39.4
Rnf19a	13.3	13.2	13.2	13.7	14.2	11.5	14.6	15.0	15.4	15.0	15.9	15.2
Rnf19b	13.8	15.0	15.0	18.4	24.0	10.3	19.6	18.5	21.9	17.2	17.0	20.5
Rnf2	9.6	12.2	15.8	10.4	10.0	9.8	10.9	12.2	12.1	12.2	14.2	14.8
Rnf20	30.0	26.7	28.3	32.0	24.6	27.7	27.9	23.1	22.0	26.0	31.5	32.1
Rnf207	0.4	0.4	0.6	0.4	0.2	0.7	0.2	0.3	0.3	0.3	0.3	0.5
Rnf208	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
Rnf214	9.7	11.2	12.6	11.6	9.3	10.3	11.8	10.5	10.1	9.2	11.0	12.0
Rnf215	12.5	11.5	11.7	12.0	11.9	12.5	15.9	14.5	16.7	12.6	12.2	13.3
Rnf216	7.2	8.8	8.6	7.1	7.7	7.5	8.4	8.2	7.5	8.3	8.2	7.7
Rnf217	5.7	4.4	3.8	4.2	3.5	4.6	4.6	4.3	4.9	5.5	4.9	4.9
Rnf219	3.2	3.1	3.3	2.4	3.1	2.6	3.3	3.2	3.0	2.9	2.9	3.2
Rnf220	5.8	6.1	6.3	6.8	5.7	6.3	6.7	6.3	6.2	5.1	5.8	5.0
Rnf222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rnf223	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Rnf24	2.3	2.3	1.9	2.6	2.4	2.6	1.9	1.7	1.6	2.0	2.2	1.5
Rnf25	17.8	15.4	14.9	17.5	13.7	17.2	14.0	14.6	12.4	14.9	14.1	14.9
Rnf26	9.4	10.1	9.3	8.0	9.7	10.5	11.3	9.9	9.4	7.9	7.8	8.1
Rnf31	3.2	3.6	4.1	3.6	4.0	3.6	3.4	3.6	4.0	3.1	3.1	2.9
Rnf32	0.5	0.6	0.7	0.9	0.1	0.6	0.1	0.3	0.2	0.3	0.2	0.2
Rnf34	14.8	15.0	15.9	15.7	14.3	16.9	14.6	17.4	15.2	16.0	18.9	17.2
Rnf38	3.0	3.4	3.6	4.3	3.7	3.8	3.8	3.4	3.1	2.8	3.4	3.0
Rnf39	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.2	0.1	0.2
Rnf4	36.1	35.6	32.8	36.3	34.3	32.5	36.7	40.2	40.8	36.1	40.7	37.6
Rnf40	9.3	10.8	11.9	10.1	11.0	9.8	11.9	12.0	11.0	11.9	10.2	11.5
Rnf41	11.8	11.0	9.1	12.0	11.3	11.8	11.1	10.3	11.6	11.5	11.6	11.0
Rnf43	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rnf44	3.7	4.7	4.7	3.8	4.7	4.3	5.1	4.3	5.2	4.1	4.4	3.3
Rnf5	7.4	9.1	9.3	8.4	10.6	9.7	9.0	8.0	7.9	9.5	12.2	8.3
Rnf6	25.4	28.1	30.5	27.5	26.0	24.8	25.8	27.6	27.3	24.3	30.7	28.8
Rnf7	47.1	45.5	42.6	54.5	45.3	54.7	46.7	43.2	46.4	51.5	52.0	52.3
Rnf8	8.8	8.9	7.4	6.8	6.9	8.3	7.5	7.0	7.4	8.2	7.9	7.1
Rnft1	9.3	10.5	11.1	9.8	9.7	8.8	11.0	10.7	12.1	12.8	14.1	13.3
Rnft2	0.6	0.7	0.5	0.4	0.4	0.9	0.4	0.7	0.4	0.5	0.5	0.4
Rngtt	4.9	5.6	5.7	4.9	5.4	5.6	4.0	4.7	4.9	4.9	5.3	5.3
Rnh1	67.6	51.4	38.7	73.4	67.2	57.4	52.0	55.4	57.1	59.1	54.7	51.7
Rnls	1.5	1.1	1.0	1.0	1.2	0.8	1.4	1.0	0.9	1.0	1.2	1.0
Rnmt	7.6	7.5	6.4	8.4	6.8	7.5	6.0	6.0	5.9	8.1	7.7	7.3
Rnmt1	3.4	3.6	2.9	4.2	2.9	4.4	3.1	3.0	2.3	3.1	2.7	2.7
Rnpc3	5.2	5.6	5.4	6.3	5.8	4.9	5.0	5.5	6.0	5.3	7.7	6.8

Online Table 1

Rnpep	14.8	13.9	12.0	16.1	17.9	13.7	13.8	13.2	12.1	15.5	13.0	12.5
Rnpepl1	1.8	2.1	2.2	2.1	2.6	1.9	2.3	2.6	2.7	2.2	2.3	1.6
Rnps1	30.7	32.5	30.5	32.0	30.0	32.2	36.5	32.8	29.9	28.6	34.5	28.4
Rnu11	40.6	14.2	41.7	14.5	42.8	43.7	44.4	70.5	52.6	78.6	56.7	66.4
Rnu12	214.5	261.0	685.4	193.7	319.8	167.8	212.9	367.6	491.1	255.2	204.1	463.4
Rnu73b	441.8	1135.7	542.2	189.5	917.6	0.0	72.6	606.3	2156.2	1242.8	0.0	977.8
Robo1	8.1	8.6	10.3	10.4	11.1	10.5	11.4	7.2	6.5	5.6	6.4	7.4
Robo2	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Robo3	0.0	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
Robo4	0.7	0.2	0.3	0.1	0.1	0.0	0.4	0.5	0.5	0.1	0.0	0.2
Rock1	19.1	20.6	21.6	21.8	19.6	17.4	19.6	17.1	18.7	19.3	22.5	24.5
Rock2	71.0	69.7	55.1	90.4	58.7	83.9	62.4	44.8	50.0	51.4	72.0	58.4
Rogdi	5.4	4.9	6.0	4.2	3.9	5.2	3.2	5.2	3.7	3.6	3.3	3.5
Rom1	5.5	6.2	4.9	5.2	5.9	4.8	5.0	4.0	4.7	4.5	5.4	5.3
Romo1	99.0	92.1	80.8	90.0	91.7	101.2	78.6	90.2	101.1	98.6	87.4	93.0
Ropn1l	4.6	4.2	2.4	4.1	3.2	4.5	2.4	3.5	3.1	3.2	3.2	3.3
Ror1	1.4	2.1	2.8	1.0	1.8	1.0	2.1	4.8	3.1	4.9	3.7	4.7
Ror2	0.9	1.5	1.6	0.9	1.2	1.1	3.0	1.8	2.2	2.1	1.7	1.9
Rora	13.8	14.2	13.2	16.5	11.8	14.3	13.0	11.1	10.9	9.7	10.6	14.1
Rorb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rorc	0.5	0.2	0.1	0.1	0.0	0.2	0.0	0.2	0.1	0.8	0.4	0.1
Rp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rp1l1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rp2h	7.0	7.3	7.5	8.5	7.4	8.4	5.2	5.7	5.6	6.1	7.2	6.8
Rp9	26.6	23.4	23.3	28.5	20.0	26.6	22.1	23.2	18.0	20.5	24.4	25.2
Rpa1	19.5	21.1	22.0	19.0	20.0	20.2	21.8	17.0	21.3	17.1	18.5	18.5
Rpa2	4.9	5.7	7.2	3.1	7.3	3.9	6.9	5.8	5.9	5.0	6.4	4.5
Rpa3	16.4	22.7	21.7	20.6	21.9	20.4	25.5	22.7	22.1	19.9	22.7	19.7
Rpain	6.4	7.0	6.2	6.1	5.4	7.1	4.6	8.1	6.0	7.6	7.3	7.6
Rpap1	3.3	4.1	3.8	2.9	3.0	3.0	4.1	3.7	4.0	2.7	3.0	2.7
Rpap2	13.2	12.3	12.5	13.0	10.4	14.6	9.5	11.9	10.6	12.2	12.1	11.2
Rpap3	12.5	13.5	13.4	12.7	11.1	12.8	11.7	11.7	9.8	11.8	13.0	12.4
Rpe	19.1	17.2	19.5	21.1	20.0	20.7	18.3	17.0	15.3	18.4	21.9	23.2
Rpf1	13.2	12.6	13.4	15.7	11.6	11.4	13.9	13.2	11.7	13.7	14.6	12.5
Rpf2	10.8	8.7	7.8	11.5	8.7	9.7	8.4	8.0	7.2	9.6	9.2	10.1
Rpgr	1.4	1.3	1.1	1.6	1.0	1.5	0.9	1.0	0.8	1.0	1.1	1.0
Rpgrip1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Rpgrip1l	4.6	5.4	5.9	5.5	4.0	5.5	3.9	3.5	3.3	4.5	5.3	5.1
Rph3a	0.0	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Rph3al	0.0	0.0	0.2	0.0	0.1	0.3	0.1	0.2	0.0	0.1	0.0	0.1
Rpia	6.6	6.0	5.6	5.8	5.5	4.9	6.4	5.4	5.0	5.4	7.4	5.1
Rpl10	1256.4	1003.7	912.8	1001.4	1006.3	1124.7	976.6	1143.4	1130.2	1197.2	1143.4	1107.3
Rpl10a	438.6	348.5	354.8	331.1	347.1	335.2	338.7	507.4	383.1	444.8	475.6	396.5
Rpl11	786.5	627.0	666.8	649.0	656.2	728.0	640.9	715.8	628.3	738.3	690.0	683.6
Rpl12	1161.9	888.5	884.4	943.2	851.2	1017.9	838.8	1100.0	829.0	1046.1	1025.7	956.3
Rpl13	767.2	627.8	545.4	531.3	605.4	627.7	551.6	715.8	685.4	741.7	633.8	614.8
Rpl13a	1000.4	777.1	758.0	803.0	718.6	845.1	756.0	933.8	772.6	910.4	856.8	865.5
Rpl14	493.5	372.9	374.5	434.5	372.5	472.0	374.0	473.4	354.2	435.0	504.9	440.4
Rpl15	275.2	223.5	208.0	198.8	220.9	236.2	209.3	257.5	245.5	264.7	256.6	235.4
Rpl17	937.6	745.9	919.4	842.8	713.4	891.4	826.8	949.9	695.3	858.4	1032.3	1032.0
Rpl18	500.4	421.9	392.2	376.7	411.6	409.3	408.6	486.1	430.6	488.4	465.4	412.8
Rpl18a	426.2	359.0	391.7	401.5	354.4	420.5	387.0	514.5	372.8	412.1	442.3	396.8
Rpl19	1117.1	886.2	887.8	1017.6	869.1	1012.8	897.3	1055.8	832.6	1030.4	1100.3	1003.9
Rpl21	334.5	263.8	310.8	297.0	240.1	312.2	287.7	336.4	247.2	295.1	363.3	353.9
Rpl22	112.1	87.0	88.1	100.6	88.6	113.6	87.9	106.6	83.9	99.6	110.4	106.1
Rpl22l1	47.1	46.6	47.4	19.0	38.5	23.1	18.6	46.0	43.5	53.0	34.7	34.8
Rpl23	656.4	513.0	576.2	572.5	514.6	609.1	533.0	616.6	495.5	588.6	635.2	665.2

Online Table 1

Rpl23a	1537.8	1292.2	1349.2	1420.3	1137.8	1409.2	1266.2	1616.2	1187.1	1348.1	1594.7	1412.1
Rpl24	668.0	544.8	522.1	501.4	470.6	546.8	477.1	552.0	471.1	562.2	590.4	564.4
Rpl26	114.4	95.5	65.6	115.3	62.9	84.4	84.6	84.2	67.0	86.8	109.1	62.5
Rpl27	358.2	318.8	272.4	268.4	286.7	331.0	258.4	321.4	302.7	328.3	317.9	289.4
Rpl27a	547.9	445.0	468.4	446.2	428.8	516.5	463.8	578.1	472.5	540.4	547.1	555.2
Rpl28	714.7	594.0	702.2	717.0	597.2	755.6	613.3	778.8	525.7	650.7	708.8	668.8
Rpl29	410.9	351.4	368.0	353.2	346.5	361.8	334.5	477.7	343.6	362.3	433.5	361.7
Rpl3	515.7	391.5	395.3	385.1	394.7	378.6	388.7	506.0	431.9	493.6	466.4	454.8
Rpl30	25.6	19.1	19.6	17.8	32.5	22.7	14.6	16.8	16.9	30.7	13.9	12.4
Rpl31	332.0	290.6	302.1	298.5	271.9	327.2	278.0	378.1	287.1	301.6	340.5	305.8
Rpl31-ps12	21.9	16.5	16.5	14.8	17.5	17.0	14.9	19.4	18.4	18.8	14.1	19.8
Rpl32	1221.8	975.7	994.2	1018.1	916.5	1155.2	922.5	1142.1	895.2	1046.5	1169.8	1010.2
Rpl34	12.9	14.8	9.4	11.5	15.0	9.5	10.7	13.0	16.5	11.3	14.3	12.2
Rpl34-ps1	734.6	639.6	579.1	531.0	618.3	678.6	533.7	717.7	666.3	716.9	648.2	619.0
Rpl35	1312.6	999.2	1138.7	1257.2	1023.5	1370.1	1124.0	1393.8	962.5	1101.2	1315.1	1205.1
Rpl35a	690.6	564.3	545.0	523.2	544.7	589.9	486.5	593.7	536.9	648.8	603.7	610.2
Rpl36	606.3	499.2	432.2	479.5	495.9	531.9	460.7	520.5	490.4	584.4	490.6	499.1
Rpl36a	519.0	396.6	414.3	427.8	409.6	468.5	395.0	512.8	392.0	472.4	491.2	455.2
Rpl36al	259.3	194.7	191.6	246.5	220.2	261.4	243.7	245.5	208.4	246.7	300.2	275.5
Rpl37	193.4	158.7	145.0	132.8	152.5	169.2	136.2	171.6	162.2	178.1	172.5	171.7
Rpl37a	915.1	758.0	637.7	682.2	685.6	764.5	625.3	743.4	695.5	781.7	742.1	693.9
Rpl38	1359.8	1068.6	880.5	1114.8	1015.5	1214.4	922.1	1099.6	1016.6	1197.6	1112.5	1002.6
Rpl39	1403.3	1257.6	1090.9	937.5	1112.0	1201.3	887.5	1211.8	1192.1	1344.2	1113.7	1193.7
Rpl39l	2.5	0.8	1.3	0.4	0.6	0.8	0.3	0.7	0.6	1.2	1.4	0.6
Rpl3l	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Rpl4	780.1	580.8	626.2	672.6	596.6	731.7	628.8	746.6	572.1	681.4	738.7	697.0
Rpl41	1855.5	1507.4	1491.4	1515.2	1338.2	1706.4	1351.4	1905.7	1447.2	1644.2	1639.7	1533.2
Rpl5	399.5	302.0	307.4	338.2	300.5	351.0	303.1	369.0	300.6	353.4	398.0	371.6
Rpl6	604.0	475.4	431.2	463.8	465.3	524.9	459.5	527.1	464.2	541.6	557.5	470.9
Rpl7	1008.3	822.0	804.5	697.7	726.3	821.4	728.0	914.4	772.1	878.0	904.7	866.3
Rpl7a	593.4	518.7	547.7	513.4	490.7	559.8	537.6	680.4	536.1	570.0	646.8	580.9
Rpl7l1	23.9	23.0	21.9	24.6	21.3	24.0	22.2	23.6	20.7	22.9	23.4	22.2
Rpl8	581.1	494.0	456.0	465.2	492.7	504.1	481.2	584.1	509.1	550.9	512.3	496.2
Rpl9	944.2	883.8	755.8	592.5	720.5	717.7	604.6	728.8	804.7	856.0	735.6	796.1
Rplp0	1246.1	1034.4	935.2	982.6	921.4	1174.2	941.3	1180.9	963.0	1077.3	1021.6	977.1
Rplp1	2149.8	1644.2	1227.5	1874.6	1534.2	2165.5	1377.5	1726.3	1523.6	1661.1	1438.3	1297.3
Rplp2	509.7	406.6	345.3	389.4	405.7	450.3	361.8	415.8	383.0	437.0	378.4	364.8
Rplp2-ps1	7.6	7.0	3.6	5.0	5.4	4.2	3.6	3.9	6.0	5.5	4.4	3.1
Rpn1	59.0	54.8	54.7	67.9	60.9	68.0	68.1	65.3	59.8	59.0	61.0	58.9
Rpn2	169.2	157.7	153.0	177.1	155.6	183.2	157.8	153.8	151.8	135.9	143.0	141.4
Rpp14	10.2	8.0	7.0	11.9	9.3	10.1	8.4	7.1	8.3	9.6	8.9	7.8
Rpp21	12.4	10.2	9.3	13.1	12.2	14.9	13.5	11.5	10.9	11.4	10.4	8.3
Rpp25	0.2	0.0	0.3	0.1	0.2	0.2	0.3	0.7	0.3	0.4	0.4	0.4
Rpp25l	9.7	8.1	7.1	6.9	8.8	9.2	7.6	10.5	9.4	11.0	9.1	9.2
Rpp30	9.1	9.6	9.3	11.5	8.3	10.8	9.1	8.0	9.3	8.5	10.7	9.7
Rpp38	6.8	5.6	5.2	6.6	6.1	6.4	5.7	5.4	4.7	5.4	6.5	6.3
Rpp40	1.4	1.8	1.6	1.5	1.5	1.7	1.4	1.5	1.3	1.5	1.5	1.3
Rpph1	7669.1	6363.4	7262.8	6999.4	8444.7	7602.4	6792.8	8908.7	7670.9	7687.2	6646.2	5615.8
Rprd1a	8.6	9.1	8.9	8.1	7.3	7.6	7.4	7.5	10.3	9.6	9.4	11.0
Rprd1b	3.8	5.1	5.8	3.9	4.2	3.9	4.9	4.8	4.5	4.2	4.7	4.2
Rprd2	3.1	3.5	4.1	3.1	3.5	3.4	3.4	3.5	3.2	3.3	3.1	3.3
Rprl1	1.9	0.3	0.6	0.0	1.0	0.1	1.3	0.3	1.5	0.6	0.2	0.5
Rprl2	0.5	0.9	0.3	1.4	0.3	0.1	0.0	1.0	0.2	0.5	1.6	1.2
Rprl3	3.2	2.6	0.8	2.0	0.8	0.6	4.2	6.6	0.8	1.2	2.7	0.0
Rprm	2.6	1.1	0.6	1.5	1.1	1.5	1.4	0.3	0.9	0.7	0.9	1.1
Rps10	783.9	629.7	609.7	693.9	638.7	769.2	649.8	764.2	653.7	729.8	702.0	633.5
Rps11	802.8	606.8	613.0	672.5	600.8	669.8	644.8	753.6	633.8	695.0	705.4	653.0

Online Table 1

Rps12	1943.4	1550.4	1603.5	1658.3	1395.9	1833.4	1515.7	1985.6	1484.9	1568.7	1740.3	1664.1
Rps13	503.6	420.7	336.6	345.5	413.4	429.0	319.3	400.7	433.6	471.8	407.2	397.7
Rps14	671.2	556.9	464.2	421.9	510.7	544.7	422.3	580.1	565.4	616.2	514.3	479.3
Rps15	918.7	825.5	834.8	789.7	722.5	883.4	776.2	965.4	770.8	861.1	840.9	775.5
Rps15a	53.3	44.9	39.5	33.0	39.1	39.8	32.3	42.2	41.9	47.2	43.5	45.4
Rps15a-ps4	1.5	1.6	1.1	1.0	1.4	0.9	1.1	1.4	1.3	2.1	0.8	1.1
Rps15a-ps6	5.5	3.8	4.2	3.8	4.0	3.8	3.3	4.9	4.2	4.5	4.6	4.1
Rps16	559.4	548.7	580.6	495.2	537.2	564.9	582.6	761.3	591.5	585.4	611.2	589.6
Rps17	1005.2	820.9	760.6	723.3	714.7	811.8	704.4	817.6	756.3	886.2	866.4	771.2
Rps18	1221.8	992.4	887.0	838.0	880.2	942.6	813.2	1046.2	883.3	1013.5	1057.8	951.0
Rps19	789.9	711.6	608.3	543.5	637.0	662.4	565.9	695.7	660.7	732.3	644.8	602.3
Rps19bp1	13.9	10.5	9.1	12.0	11.8	12.6	11.3	10.3	12.2	13.9	11.8	11.9
Rps19-ps3	5.6	5.0	4.0	5.9	5.2	5.7	4.9	5.0	4.9	4.9	5.3	4.7
Rps2	1333.4	1101.2	939.1	933.2	959.4	1016.2	1012.1	1247.8	1046.3	1154.4	1150.9	1041.5
Rps20	1511.5	1164.2	973.3	1010.5	1060.2	1180.0	938.3	1147.8	1219.8	1210.5	1047.2	1057.4
Rps21	902.8	706.6	618.5	644.9	670.8	835.2	593.3	641.7	711.7	878.6	587.7	666.7
Rps23	437.2	368.0	376.2	392.1	373.8	443.4	362.0	464.4	379.8	436.3	460.5	425.4
Rps24	1005.7	812.9	943.6	941.4	731.0	957.6	762.4	1082.0	673.6	810.0	1076.8	923.3
Rps25	647.2	507.7	505.8	517.7	497.1	550.2	462.5	610.6	459.5	550.0	609.8	572.4
Rps26	815.2	645.9	697.7	746.3	666.2	809.1	716.7	889.8	660.0	774.0	877.6	812.8
Rps27	5.8	4.5	3.5	7.2	4.4	5.2	5.1	6.1	2.6	43.8	5.1	6.2
Rps27a	636.0	508.9	456.6	469.5	542.0	562.7	425.1	532.0	512.4	622.3	545.7	587.2
Rps27l	283.9	229.2	195.5	231.3	224.0	246.9	199.4	206.8	216.0	268.2	277.2	236.9
Rps28	904.8	761.1	625.0	679.8	726.3	842.8	612.3	800.1	748.1	881.9	698.6	616.2
Rps29	1065.1	946.7	744.7	761.9	959.4	990.4	703.1	948.9	1036.0	1074.5	798.1	796.2
Rps3	377.9	304.3	287.2	305.3	302.8	339.8	269.6	330.2	281.4	328.4	318.2	298.9
Rps3a1	1121.1	928.2	952.6	842.3	839.4	946.1	853.3	1016.2	877.2	985.4	1054.8	1035.4
Rps4x	969.6	758.6	708.5	647.7	685.1	781.4	639.6	858.8	744.4	786.1	797.5	742.9
Rps4y2	27.6	30.2	29.5	33.7	28.5	28.9	36.6	35.8	29.1	30.7	36.0	30.1
Rps5	721.4	590.9	510.6	553.8	563.3	632.0	516.4	704.8	550.6	590.4	595.8	514.8
Rps6	547.1	430.0	449.7	489.5	407.7	510.4	444.2	520.1	392.0	457.6	556.7	513.6
Rps6ka1	1.1	0.8	1.2	4.9	8.1	0.8	1.5	0.7	0.7	1.2	0.8	1.0
Rps6ka2	3.7	3.7	3.4	3.9	4.2	3.9	3.9	3.9	4.2	3.1	3.4	3.0
Rps6ka3	3.7	3.7	3.6	3.7	5.0	2.9	3.5	4.2	3.8	4.8	3.4	4.0
Rps6ka4	17.3	16.8	16.5	18.7	18.0	16.4	21.1	20.6	19.7	16.9	17.1	16.8
Rps6ka5	1.3	1.0	1.5	1.0	1.2	0.9	1.2	1.3	1.3	1.4	1.6	1.0
Rps6ka6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
Rps6kb1	10.5	9.8	13.6	11.0	10.3	9.3	12.7	12.5	11.6	10.9	12.8	13.4
Rps6kb2	3.5	3.9	2.8	3.3	2.9	2.3	4.2	3.1	3.8	3.6	3.4	3.6
Rps6kc1	14.1	13.4	12.5	15.6	12.1	15.1	14.9	11.7	12.4	12.4	13.3	13.4
Rps6kl1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Rps7	624.7	508.3	503.0	466.2	473.1	534.0	456.0	577.7	508.0	581.5	553.7	532.5
Rps8	915.2	799.8	699.2	637.4	755.4	783.6	691.9	897.2	863.0	887.1	795.0	767.5
Rps9	775.3	581.8	559.6	638.5	635.7	691.0	624.3	719.3	612.1	693.7	650.9	624.8
Rpsa	667.4	614.1	589.8	583.4	553.0	631.0	587.5	739.0	576.6	574.3	599.1	544.3
Rptor	4.5	4.6	4.4	5.2	4.7	4.4	5.3	4.6	4.7	3.9	4.2	3.7
Rpusd1	3.3	3.2	3.6	4.1	3.0	3.4	2.7	3.5	3.1	3.6	2.8	2.6
Rpusd2	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.3
Rpusd3	3.3	2.9	2.0	2.2	2.1	3.4	3.2	2.6	2.1	1.9	2.1	2.4
Rpusd4	5.6	5.1	4.5	5.5	5.0	5.2	5.3	4.6	5.3	4.8	4.7	4.3
Rqcd1	8.2	8.5	7.9	8.5	9.1	8.2	8.4	8.6	8.5	7.6	8.2	6.0
Rrad	0.7	0.6	0.7	1.8	1.9	0.7	1.0	1.9	0.9	0.9	0.6	0.9
Rraga	20.8	17.3	19.9	19.9	23.4	18.8	17.5	21.2	21.2	20.3	20.3	21.1
Rragb	0.5	0.3	0.3	0.3	0.1	0.5	0.2	0.2	0.0	0.4	0.3	0.3
Rragc	38.8	34.0	30.5	42.1	38.2	40.0	35.2	30.9	33.4	32.3	36.9	37.3
Rragd	5.9	2.6	1.2	7.1	1.9	10.8	0.7	0.7	0.7	0.9	0.8	1.0
Rras	53.3	62.2	69.9	73.2	65.1	75.5	85.7	75.9	69.6	53.0	76.9	70.2

Online Table 1

Rras2	108.7	96.3	75.1	89.1	67.8	77.3	103.9	94.2	98.9	113.8	140.5	105.7
Rrbp1	80.5	77.3	96.1	93.6	79.5	86.4	105.3	97.6	82.5	77.4	93.7	103.0
Rreb1	1.1	1.4	1.6	1.1	1.7	1.1	1.4	1.5	1.4	1.5	1.3	1.3
Rrm1	49.7	61.0	56.4	47.8	49.0	57.7	59.7	55.6	50.1	72.8	75.9	60.9
Rrm2	14.2	18.7	22.6	7.1	27.4	6.9	32.0	11.9	20.1	11.7	17.9	10.9
Rrm2b	10.1	9.4	10.1	13.2	8.4	12.0	9.1	7.8	7.8	8.4	11.4	11.0
Rrn3	27.6	25.9	24.3	28.3	25.1	26.7	24.7	21.9	23.9	25.2	25.9	25.9
Rrnad1	4.6	5.1	4.6	3.8	4.6	4.8	4.4	4.7	5.1	5.4	4.6	4.8
Rrp1	57.7	52.2	53.2	69.4	51.9	61.8	58.6	55.2	47.3	57.1	59.0	60.1
Rrp12	4.4	3.0	2.3	4.8	3.6	3.7	3.1	2.7	2.2	3.4	3.6	2.7
Rrp15	15.9	13.5	11.8	19.1	12.6	14.8	17.0	13.3	13.3	12.9	14.8	12.5
Rrp1b	1.9	2.0	2.0	1.9	2.1	2.0	2.0	2.1	1.9	1.7	1.8	1.8
Rrp36	17.3	15.0	12.9	17.9	15.7	15.2	16.7	15.5	14.4	16.8	17.0	14.3
Rrp7a	32.5	28.6	28.0	36.0	31.8	31.3	37.2	34.9	32.1	32.1	36.8	30.6
Rrp8	6.7	6.2	4.9	6.9	5.2	5.7	5.0	5.2	5.3	6.5	6.6	6.0
Rrp9	14.4	13.6	10.0	15.1	12.7	12.5	15.6	11.3	11.4	12.6	14.6	11.9
Rrs1	7.6	7.7	7.4	8.0	7.1	8.2	8.9	7.3	7.9	10.2	7.8	9.5
Rs1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rsad1	1.1	1.2	0.9	1.0	0.8	1.5	0.6	1.0	0.8	0.6	0.6	0.7
Rsad2	2.0	0.2	0.3	2.4	0.3	0.8	0.2	0.1	0.1	0.1	0.2	0.6
Rsb1	1.3	1.6	1.5	1.3	1.7	1.6	1.7	1.4	1.6	2.0	1.8	1.9
Rsb1l	1.4	1.7	1.9	2.1	2.1	1.9	1.6	1.7	1.4	1.6	1.8	2.1
Rsc1a1	0.0	2.0	0.5	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.0
Rsf1	3.7	4.2	5.2	4.2	3.7	4.0	3.9	4.1	3.5	4.8	4.9	4.8
Rsg1	0.3	0.5	0.5	0.2	0.8	0.4	0.6	0.5	0.7	0.5	0.6	0.5
Rsl1	2.7	2.5	2.7	3.3	3.2	2.0	2.0	2.1	2.2	2.3	1.9	2.1
Rsl1d1	49.9	44.2	38.7	49.1	42.6	42.5	40.9	38.3	36.3	53.8	51.2	46.7
Rsl24d1	23.4	19.7	18.5	25.2	22.3	22.6	20.3	18.4	17.9	23.6	22.3	19.7
Rslcan18	1.1	1.1	1.2	1.0	0.9	1.4	1.0	1.1	1.0	1.2	1.0	0.8
Rsph1	2.2	2.3	2.5	3.5	1.9	3.5	1.6	1.2	1.4	1.9	3.1	2.5
Rsph3a	19.9	17.0	15.8	21.5	13.9	22.4	15.2	14.6	11.9	15.3	17.3	16.5
Rsph3b	21.5	18.4	17.1	23.6	15.1	24.4	16.3	15.0	12.8	16.2	17.8	16.9
Rsph4a	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Rsph6a	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Rsph9	4.0	4.0	3.2	3.1	2.7	5.3	3.3	4.6	3.3	4.1	2.8	3.1
Rspo1	0.4	1.0	2.2	0.4	0.1	0.2	0.6	2.6	3.5	33.7	13.2	7.7
Rspo2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Rspo3	2.3	1.5	1.7	0.9	0.3	0.3	0.7	1.4	1.6	15.2	9.4	7.8
Rspry1	9.8	10.7	10.4	9.5	9.9	9.4	9.0	10.5	11.0	10.1	11.7	12.0
Rsrc1	12.2	10.9	13.6	12.7	10.5	12.3	13.1	13.2	10.1	10.0	13.3	13.4
Rsrc2	20.9	21.7	32.6	22.0	20.3	19.5	27.5	28.7	21.3	26.9	30.8	33.6
Rsu1	76.9	66.2	73.3	84.9	71.8	65.0	89.8	74.7	70.0	65.4	89.9	73.1
Rtbdn	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.0	0.3
Rtca	20.4	19.3	16.6	20.8	18.3	20.9	18.7	17.6	18.0	17.0	19.7	19.0
Rtel1	2.8	2.8	3.0	2.2	3.1	2.0	3.6	3.1	3.6	2.3	2.8	2.3
Rtf1	7.2	7.1	8.8	7.9	6.6	8.0	8.5	8.0	6.7	6.7	8.4	9.1
Rtfdc1	36.2	31.9	28.9	41.4	31.1	34.3	28.7	29.2	26.2	28.8	28.8	29.5
Rtkn	6.4	6.6	6.8	5.4	6.5	5.5	8.6	9.5	8.2	6.1	7.7	6.5
Rtkn2	0.8	0.8	0.8	0.7	0.7	1.2	0.4	0.5	0.3	0.2	0.5	0.3
Rtl1	0.7	0.6	0.4	0.4	0.6	0.6	0.8	0.7	0.9	1.0	1.1	0.7
Rtn1	3.8	3.4	3.7	5.0	6.2	2.3	4.7	3.4	3.2	3.1	3.6	2.3
Rtn2	2.9	4.3	4.6	1.3	3.8	2.1	5.1	5.7	4.7	6.4	4.9	4.6
Rtn3	38.1	39.7	34.9	37.9	39.4	36.6	36.0	38.7	40.2	38.7	45.1	36.2
Rtn4	101.5	92.0	68.2	138.6	116.5	122.5	75.1	76.2	80.3	78.8	84.6	75.1
Rtn4ip1	2.1	2.9	2.5	2.6	2.3	3.1	2.1	2.3	2.0	2.3	2.0	2.1
Rtn4r	0.9	0.8	1.1	1.5	1.4	1.8	0.8	1.4	0.9	0.6	0.6	0.7
Rtn4r1	0.1	0.4	0.5	0.5	0.5	0.2	0.5	0.5	0.7	0.3	0.4	0.4

Online Table 1

Rtn4r12	0.2	0.3	0.9	0.2	0.2	0.1	0.2	0.7	0.8	0.7	0.1	0.6
Rtp4	4.3	1.5	2.5	5.2	3.9	2.6	2.1	1.0	2.0	1.0	1.5	5.7
Rttt	0.9	1.0	1.3	0.7	1.1	0.9	0.8	1.0	1.2	0.9	0.9	0.9
Rufy1	9.3	7.8	8.9	8.8	6.9	8.2	7.1	8.7	8.1	7.6	8.9	10.0
Rufy2	2.7	2.6	3.0	2.7	2.2	3.2	2.4	2.8	2.4	2.3	3.0	2.9
Rufy3	2.0	2.4	2.1	2.2	2.0	2.0	1.9	2.2	1.9	1.8	1.8	2.3
Rufy4	0.2	0.1	0.1	0.2	0.1	0.2	0.5	0.2	0.2	0.2	0.4	0.1
Rundc1	3.0	3.5	3.4	3.6	3.3	3.4	3.3	3.4	3.1	3.2	2.9	3.9
Rundc3a	0.9	0.7	0.7	0.9	1.2	1.1	0.7	1.0	0.9	1.0	0.9	0.8
Rundc3b	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Runx1	2.3	2.8	4.7	3.2	5.7	2.1	6.4	8.8	6.4	6.8	6.3	7.0
Runx1t1	1.9	2.4	2.8	1.9	1.5	2.3	1.9	2.0	2.1	1.2	2.0	2.3
Runx2	0.7	1.3	1.4	1.2	1.5	1.2	1.7	1.3	1.3	1.1	1.0	1.0
Runx3	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rusc1	4.8	4.5	4.0	6.5	4.4	5.7	4.2	4.6	4.4	4.0	4.2	4.4
Rusc2	13.8	13.0	9.4	16.2	12.0	14.9	13.5	8.0	11.2	14.3	13.9	10.3
Ruvbl1	25.6	21.1	19.9	26.7	19.0	24.4	21.7	18.2	17.7	22.3	22.6	20.6
Ruvbl2	17.0	16.6	15.5	17.8	15.3	17.6	17.7	13.6	13.7	15.0	16.6	14.5
Rwdd1	57.1	48.1	47.8	53.0	42.9	52.0	50.2	47.7	43.6	48.2	60.4	54.6
Rwdd2a	1.1	1.1	1.0	1.5	1.1	2.3	0.7	1.1	0.7	1.1	1.1	1.1
Rwdd2b	2.0	1.5	1.8	1.8	1.8	1.8	2.7	2.1	1.9	2.2	2.5	2.0
Rwdd3	1.1	1.5	1.6	2.1	1.1	2.4	1.5	1.5	1.2	1.3	1.8	1.6
Rwdd4a	9.3	8.5	8.7	10.5	7.8	9.9	8.8	9.6	7.1	8.8	10.4	9.3
Rxfp3	0.1	0.1	0.0	0.1	0.1	0.0	0.3	0.2	0.3	0.2	0.2	0.1
Rxfp4	0.2	0.1	0.0	0.2	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0
Rxra	12.3	17.8	20.2	13.3	12.9	14.5	13.3	16.1	14.8	11.9	11.6	13.1
Rxrb	6.4	7.1	6.5	6.7	6.6	8.2	6.4	8.0	8.2	9.0	6.1	6.9
Rxrg	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rybp	3.4	3.7	4.2	3.9	4.6	3.5	3.9	3.5	4.0	4.6	4.7	4.9
Ryk	50.5	48.0	47.8	62.7	44.7	66.9	59.6	58.3	58.3	63.2	70.9	61.8
Ryr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ryr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ryr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S100a1	22.4	18.3	22.8	30.0	24.0	23.2	26.9	16.1	15.9	91.6	61.6	49.2
S100a10	350.9	284.7	213.8	312.9	298.4	300.2	366.2	433.6	350.8	365.6	467.4	312.7
S100a11	261.0	290.8	305.7	342.4	291.1	288.5	426.4	416.7	292.8	257.8	341.8	313.1
S100a13	69.6	62.4	53.6	80.7	67.1	74.1	73.2	47.9	59.7	60.8	60.4	68.6
S100a14	0.2	0.3	0.3	0.1	0.2	0.0	0.1	0.0	0.2	0.4	0.1	0.1
S100a16	56.9	44.7	38.5	50.8	42.6	46.6	55.1	43.1	46.5	57.2	51.1	42.4
S100a3	2.8	2.1	1.1	3.2	1.7	3.0	1.7	0.3	0.7	1.9	1.6	0.7
S100a4	3342.9	2308.5	1885.0	2696.6	2247.6	2563.8	2422.8	1690.1	1698.7	1774.8	2316.4	2116.9
S100a5	0.2	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.3	0.4	0.0
S100a6	2962.2	2032.3	1333.3	2201.0	1786.8	2529.7	1944.5	1264.9	1658.0	2826.6	2217.9	2017.0
S100a7a	3.3	2.8	2.3	2.1	1.6	3.3	0.8	1.0	1.0	1.8	0.9	1.0
S100a8	2.7	1.8	1.7	2.0	1.1	0.5	0.3	0.0	0.1	0.9	0.2	0.5
S100b	6.3	2.2	1.9	1.7	1.1	2.3	1.1	1.6	0.8	0.9	0.9	2.1
S100pbp	8.9	9.7	10.3	6.0	7.9	7.5	9.4	10.8	10.1	9.8	9.0	9.3
S1pr1	1.0	0.3	0.5	2.5	4.2	0.1	0.8	1.0	0.7	0.7	0.5	0.8
S1pr2	12.4	13.7	13.7	17.0	19.4	16.2	16.6	18.0	15.3	11.9	13.0	9.8
S1pr3	0.2	0.3	0.5	0.1	0.8	0.3	1.2	1.1	0.6	4.2	3.6	2.1
S1pr4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S1pr5	0.6	0.6	0.3	0.2	0.3	0.1	0.3	0.6	0.4	0.5	0.4	0.4
Saa3	3.2	6.0	10.5	4.7	37.7	0.6	8.1	8.9	8.1	28.2	3.0	16.3
Saal1	1.7	1.8	1.7	1.8	1.8	2.1	1.8	1.6	1.6	1.5	1.7	1.7
Sac3d1	6.7	5.8	5.1	6.5	7.7	6.1	6.3	5.3	7.7	8.2	5.7	5.0
Sacm1l	26.9	28.0	26.3	28.0	27.7	28.5	26.6	25.1	30.8	30.0	34.6	32.8
Sacs	1.6	1.3	0.9	0.8	1.1	1.2	1.1	1.1	1.0	1.0	1.4	1.0

Online Table 1

Sae1	43.6	42.2	42.8	41.0	42.6	43.2	44.2	41.0	46.8	37.3	43.9	43.3
Safb	9.6	10.8	13.7	11.1	11.4	11.3	14.2	12.7	10.7	10.5	12.0	13.2
Safb2	5.2	5.8	7.5	7.6	6.6	6.2	8.2	6.6	5.8	6.6	6.2	6.7
Sag	0.1	0.1	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.1	0.3	0.1
Sall2	2.9	4.0	4.0	3.0	3.1	3.4	3.4	3.7	3.3	3.8	3.6	3.5
Sall3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Samd1	4.1	4.7	5.4	3.8	4.8	4.7	5.7	7.4	5.6	5.0	4.7	4.6
Samd10	0.9	0.4	0.2	0.4	0.5	0.6	0.2	0.4	0.3	0.4	0.4	0.3
Samd11	2.2	2.2	1.7	3.4	2.7	2.8	2.5	2.5	1.7	2.1	2.6	1.7
Samd12	2.0	1.0	0.7	0.7	0.9	1.2	0.2	0.3	0.4	1.3	0.9	0.5
Samd14	2.1	2.8	3.0	1.7	1.9	2.0	2.5	3.1	3.6	2.1	2.2	2.1
Samd4	31.7	23.2	14.3	40.2	21.2	34.8	22.4	10.6	14.7	18.8	20.9	18.1
Samd4b	4.4	5.0	3.8	4.5	4.8	4.6	6.0	4.7	4.9	4.9	4.4	4.1
Samd5	1.8	1.8	2.5	1.3	3.4	1.5	3.8	3.5	3.4	3.5	3.8	3.2
Samd8	7.8	8.1	7.5	7.5	7.7	7.4	7.4	7.2	7.8	7.6	8.1	8.6
Samd9l	11.3	8.3	10.2	14.8	12.6	8.7	8.8	8.2	7.5	9.9	10.2	14.9
Samhd1	12.5	13.2	14.1	12.3	13.1	7.6	10.1	11.8	9.4	8.7	9.7	8.9
Samm50	35.8	29.8	25.3	32.2	30.8	35.1	30.9	28.3	29.7	31.8	28.6	30.5
Samsn1	0.3	0.0	0.0	1.9	3.7	0.0	0.6	0.1	0.1	0.4	0.1	0.3
Sap130	3.4	4.5	5.2	4.4	4.5	3.6	5.4	5.8	4.1	3.6	4.4	3.5
Sap18	16.4	12.0	6.8	15.7	9.5	12.1	9.5	6.0	7.4	21.1	15.4	9.9
Sap25	0.0	0.1	0.3	0.6	0.1	0.1	0.5	0.1	0.5	0.5	0.4	0.3
Sap30	3.3	3.6	2.7	5.1	6.0	3.1	3.0	1.8	2.5	4.4	3.3	3.4
Sap30bp	14.7	12.5	14.7	17.9	12.8	14.8	16.2	15.1	11.9	13.4	15.6	15.6
Sap30l	16.3	12.1	11.4	12.5	11.7	15.8	12.0	12.7	11.7	13.7	14.3	13.5
Sapcd1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.0	0.0
Sapcd2	0.1	0.2	0.3	0.1	0.3	0.1	0.4	0.2	0.6	0.2	0.1	0.2
Sar1a	95.6	82.9	69.8	94.9	83.2	81.9	91.3	84.8	90.8	85.3	92.0	91.4
Sar1b	36.8	32.6	34.8	45.6	34.9	42.1	34.7	33.2	32.8	37.7	42.2	41.2
Sardh	10.0	11.6	12.8	6.5	6.9	6.5	7.6	12.7	8.1	8.9	7.2	8.8
Sarm1	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.1	0.1	0.1
Sarnp	52.2	46.1	52.8	50.1	39.9	47.4	45.4	46.8	39.2	47.9	56.8	58.1
Sars	61.2	39.1	35.6	61.7	39.2	57.1	41.5	49.1	40.1	43.5	49.4	43.5
Sars2	2.9	2.8	2.5	2.4	2.7	2.2	3.5	3.5	3.3	3.4	2.9	2.6
Sart1	11.4	10.4	10.9	13.1	10.0	12.5	12.2	10.5	9.4	10.1	11.9	10.8
Sart3	5.5	6.1	6.7	6.6	6.6	6.8	7.5	7.3	7.1	7.6	7.0	6.5
Sash1	22.9	27.6	28.5	30.2	28.0	23.0	24.7	21.9	23.3	14.7	17.7	22.8
Sash3	0.3	0.0	0.0	1.8	2.9	0.0	0.4	0.1	0.1	0.2	0.0	0.2
Sass6	0.8	0.9	1.4	0.6	1.1	0.6	1.1	1.0	1.0	0.8	1.3	0.9
Sai1	108.3	72.2	58.8	102.2	98.1	89.0	101.3	66.3	97.3	113.3	99.0	117.3
Sai2	4.4	5.3	7.5	4.7	3.8	4.8	4.8	5.1	5.2	3.8	3.4	5.4
Satb1	0.2	0.2	0.2	0.3	0.1	0.4	0.2	0.2	0.1	0.3	0.3	0.2
Satb2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Sav1	28.2	28.7	31.2	32.1	29.7	33.1	32.9	27.2	29.6	23.3	31.3	30.9
Saysd1	4.0	3.0	3.5	3.3	3.4	3.7	3.8	3.2	3.6	3.8	3.6	3.1
Sbds	61.9	46.8	52.3	87.9	50.4	67.5	61.2	49.9	47.7	49.5	61.8	64.9
Sbf1	8.9	11.7	9.4	9.2	9.8	9.7	10.7	10.3	11.5	9.4	8.8	7.8
Sbf2	12.7	12.6	13.2	13.2	11.3	13.6	12.6	11.8	12.1	9.4	11.6	11.7
Sbk1	1.8	1.8	1.7	1.3	1.7	1.3	1.4	1.5	1.5	1.7	1.1	1.3
Sbk2	0.2	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.0
Sbno1	10.1	10.3	10.0	10.8	10.9	10.7	9.8	9.5	9.8	10.4	10.7	10.8
Sbno2	14.6	17.2	19.1	13.2	21.1	10.2	19.1	19.0	20.9	19.0	16.3	18.6
Sbpl	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Sbsn	14.5	12.2	15.1	7.4	12.7	6.8	11.1	9.9	7.7	33.0	24.6	16.7
Sbspon	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Sc4mol	51.8	62.4	52.3	20.0	35.4	34.9	87.2	92.7	82.2	30.0	90.2	38.4
Sc5d	40.6	49.7	53.2	25.3	32.5	31.8	70.1	71.3	66.8	29.2	69.9	40.1

Online Table 1

Scaf1	7.4	8.2	8.2	7.7	7.7	7.4	9.5	7.8	9.0	7.7	7.7	7.2
Scaf11	18.1	19.4	20.5	17.5	18.2	17.6	18.8	20.5	18.4	18.4	20.5	20.5
Scaf4	2.1	2.4	2.5	2.4	2.8	2.0	3.3	2.0	2.2	2.1	2.3	2.0
Scaf8	8.6	8.2	9.0	7.9	7.9	8.3	9.3	8.9	9.2	8.5	9.6	9.1
Scai	1.0	1.2	1.4	0.9	0.8	1.1	0.9	1.3	1.0	1.2	1.3	1.3
Scamp1	15.9	13.6	14.6	16.2	14.6	17.5	13.4	9.9	12.8	15.8	15.2	16.1
Scamp2	13.1	11.6	9.0	16.1	15.6	16.2	14.0	12.8	13.0	14.9	12.6	11.1
Scamp3	25.2	25.7	24.6	30.8	28.1	27.2	29.7	30.5	26.1	26.2	28.4	24.8
Scamp4	15.4	12.9	11.9	16.2	15.4	13.9	17.9	16.3	15.6	13.9	14.6	11.2
Scamp5	7.9	6.2	4.6	9.1	7.3	6.7	5.8	5.6	5.2	6.7	5.5	5.2
Scand1	30.2	18.3	19.4	15.3	18.6	14.0	21.3	26.9	24.9	34.9	20.7	25.8
Scap	15.2	15.5	15.8	14.1	15.9	15.5	16.3	13.6	13.2	14.5	11.8	11.6
Scaper	5.5	6.3	7.1	5.5	4.8	6.5	5.4	6.0	5.4	5.3	6.2	6.1
Scara3	6.9	9.7	13.5	4.9	6.3	7.3	8.0	11.1	8.2	8.9	8.1	10.1
Scara5	0.4	1.5	3.5	0.2	0.6	0.7	0.1	4.7	0.7	0.5	0.6	0.6
Scarb1	4.1	4.8	4.9	2.5	4.4	4.0	6.6	5.9	5.8	2.8	5.3	3.3
Scarb2	115.3	90.7	91.1	100.1	99.0	93.4	81.2	77.9	121.3	128.7	98.4	155.5
Scarf1	0.3	0.2	0.2	0.4	0.2	0.2	0.1	0.2	0.1	0.1	0.0	0.1
Scarf2	10.6	8.3	6.4	9.6	7.8	11.2	10.7	8.1	9.9	9.8	7.6	8.0
Scarna10	265.1	795.0	301.2	94.7	489.4	108.6	72.6	519.7	862.5	517.8	0.0	488.9
Scarna13	208.1	189.8	175.4	109.6	162.1	143.2	126.8	197.8	141.7	188.5	172.3	130.3
Scarna17	560.2	1804.2	0.0	0.0	0.0	692.8	0.0	538.7	0.0	0.0	738.7	514.1
Scarna2	1949.5	0.0	2119.8	1342.7	2556.4	2011.5	516.7	0.0	326.0	1120.7	1733.1	893.0
Scarna3a	43.8	75.6	63.0	9.4	67.6	23.1	50.5	78.8	160.1	98.9	52.5	49.7
Scarna3b	23.0	7.0	16.8	0.0	19.6	0.0	0.0	26.8	17.7	9.8	4.6	0.0
Scarna6	39.7	51.6	43.2	22.4	56.0	38.2	26.7	42.2	72.6	58.6	34.5	29.2
Sccpdh	29.1	26.4	24.1	28.0	23.2	30.3	23.1	20.4	23.8	25.1	27.1	25.3
Scd1	18.2	34.9	42.7	12.7	13.4	19.8	33.0	81.7	42.0	11.9	37.1	15.2
Scd2	84.3	163.2	157.6	44.4	79.4	85.2	180.8	276.1	184.7	45.1	153.5	59.4
Scd3	0.9	1.9	1.9	0.6	0.8	1.1	2.2	3.7	2.2	0.4	1.5	0.6
Scd4	0.3	0.5	0.7	0.1	0.2	0.3	0.7	1.1	0.6	0.2	0.4	0.3
Scel	90.9	132.8	166.0	87.8	87.6	70.9	133.1	155.6	117.6	90.8	136.4	145.0
Scfd1	41.0	41.4	36.2	36.9	35.1	37.3	36.8	39.8	39.7	41.1	43.0	43.6
Scfd2	3.9	3.9	3.7	3.6	3.6	3.5	3.3	2.7	3.3	3.5	3.6	3.6
Scg2	0.7	1.7	2.7	1.0	0.8	1.5	1.3	5.6	3.9	0.7	0.8	2.5
Scg3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Scgb1a1	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.7	0.1	0.2	0.9	0.4
Scgb1b30	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0
Scgb3a1	0.2	0.3	1.1	0.7	0.5	0.3	0.0	0.3	0.2	0.2	0.2	0.2
Scgn	0.2	0.1	0.0	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Schip1	7.8	5.4	5.1	7.3	7.0	5.7	8.2	5.5	8.2	9.3	9.6	7.3
Scimp	0.3	0.0	0.0	0.8	1.6	0.0	0.3	0.1	0.1	0.1	0.0	0.0
Scin	0.7	0.6	1.4	0.2	0.8	0.2	0.7	1.1	0.4	1.0	1.4	1.6
Sclt1	3.2	3.2	3.1	3.2	2.7	3.0	2.6	3.1	2.8	4.0	4.0	3.9
Scly	8.1	7.8	6.6	10.9	9.4	11.3	7.5	5.7	6.5	5.5	6.7	6.3
Scmh1	8.9	6.7	6.1	8.2	6.0	8.9	6.2	4.8	4.8	6.8	6.7	5.4
Scml2	0.3	0.7	0.9	0.1	0.8	0.3	0.7	0.4	0.5	0.3	0.5	0.3
Scml4	0.6	0.6	0.4	1.4	0.8	0.9	0.7	0.4	0.4	0.3	0.3	0.2
Scn11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scn1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scn1b	31.0	30.8	29.9	30.3	29.5	31.9	24.9	21.2	23.6	23.8	20.7	25.6
Scn2a1	0.8	0.9	1.3	0.8	0.7	1.2	0.9	1.0	0.9	0.9	1.2	0.9
Scn2b	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Scn3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scn3b	1.3	0.7	0.7	0.7	1.6	0.4	0.9	0.5	0.4	1.5	0.8	0.6
Scn4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scn4b	0.1	0.2	0.1	0.1	0.3	0.1	0.1	0.0	0.1	0.0	0.1	0.1

Online Table 1

Scn5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scn7a	4.8	10.4	22.9	3.0	8.4	1.8	7.3	14.0	13.3	4.2	5.1	10.8
Scn8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scn9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scnm1	15.2	15.4	15.7	23.2	13.5	17.0	16.2	17.4	14.0	15.5	19.4	17.3
Scnn1a	0.3	0.2	0.2	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.3	0.2
Sco1	3.5	2.8	3.0	3.8	3.3	3.0	3.2	2.8	3.0	3.5	3.6	3.3
Sco2	10.4	7.9	6.6	12.7	9.9	10.0	11.7	11.8	10.0	10.4	10.1	8.6
Scoc	40.2	39.0	39.9	49.2	40.8	50.2	34.6	29.8	35.9	47.4	50.8	44.7
Scp2	49.8	59.0	71.9	44.8	44.7	42.2	37.1	64.9	48.2	53.2	49.1	54.1
Scpep1	80.8	72.3	69.4	94.7	67.4	119.1	53.6	79.8	61.1	64.6	82.8	65.6
Scrib	4.5	4.9	4.7	3.8	4.4	4.6	4.6	4.2	5.0	4.5	4.3	3.9
Scrn1	35.5	25.2	22.5	37.4	18.9	36.6	27.7	31.4	23.6	26.5	33.0	32.4
Scrn2	2.8	3.4	2.5	1.9	2.0	3.2	2.1	3.3	2.6	2.9	2.6	2.9
Scrn3	4.2	5.1	5.1	4.2	3.3	5.3	3.8	4.5	4.2	6.0	5.7	5.3
Sct	0.1	0.2	0.5	0.0	0.1	0.0	0.4	0.0	0.0	0.1	0.0	0.2
Sctr	0.1	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Scube1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Scube2	0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.2
Scube3	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.7	0.1	0.2
Scx	15.0	4.2	2.6	2.9	2.3	3.5	1.8	2.1	1.2	3.5	2.8	4.1
Scyl1	35.2	33.4	33.3	40.6	36.5	35.4	41.2	38.6	37.8	37.0	39.4	38.4
Scyl2	13.1	12.8	12.4	13.2	12.5	13.1	11.5	11.5	11.5	11.7	11.9	12.5
Scyl3	3.6	4.1	3.9	3.3	4.2	3.4	3.2	3.8	4.3	3.9	3.2	3.8
Sdad1	4.1	3.5	3.1	4.3	3.6	4.1	4.1	3.7	3.1	3.6	4.3	3.6
Sdc1	35.0	32.0	30.9	21.0	30.1	28.0	35.9	32.4	35.8	35.9	33.6	42.4
Sdc2	73.2	63.6	67.0	87.3	55.0	83.1	67.3	58.8	78.6	71.2	85.5	89.2
Sdc3	30.8	29.3	26.8	48.5	49.1	40.0	38.1	26.6	30.1	20.0	22.9	24.5
Sdc4	67.4	64.8	69.6	47.1	70.2	36.5	57.9	51.6	56.2	187.9	85.4	99.7
Sdcbp	82.0	69.2	57.2	96.0	102.3	81.6	65.5	59.7	63.7	73.7	80.5	69.4
Sdcbp2	0.5	0.2	0.6	0.2	0.3	0.4	0.1	0.3	0.2	0.2	0.0	0.3
Sdccag3	31.6	27.4	24.8	32.9	28.5	29.3	30.1	26.5	27.7	26.0	29.9	27.2
Sdccag8	11.4	11.3	10.8	11.9	9.6	11.6	9.1	10.8	8.3	8.9	10.7	10.5
Sde2	8.6	9.5	8.7	8.3	8.1	7.8	8.6	8.5	7.7	8.2	8.9	8.4
Sdf2	50.6	46.1	41.3	45.9	46.9	42.4	47.7	44.1	50.4	56.3	50.7	52.6
Sdf2l1	41.6	33.8	29.8	47.6	37.8	39.9	34.8	30.9	34.7	36.4	34.8	34.0
Sdf4	39.3	32.2	38.6	42.3	34.1	37.5	39.6	38.9	33.7	35.7	36.3	43.2
Sdha	63.3	59.6	55.5	62.7	61.1	64.0	58.6	60.5	55.8	59.7	60.8	63.1
Sdhaf1	7.6	6.8	6.5	8.1	6.5	8.5	9.2	8.0	6.3	8.6	10.6	8.3
Sdhaf2	14.9	13.5	12.0	16.7	12.5	15.8	12.5	11.3	11.4	14.8	16.1	14.5
Sdhab	67.8	57.8	51.2	65.6	60.4	62.1	52.3	55.6	48.6	54.4	58.9	56.4
Sdhc	65.8	61.1	50.7	64.4	57.5	62.3	50.1	51.7	57.7	62.5	55.8	50.4
Sdhhd	51.4	44.6	41.0	42.3	50.3	44.8	44.3	41.8	49.6	50.3	45.1	45.8
Sdk1	1.4	1.4	1.7	1.1	1.6	1.0	1.3	0.8	1.1	2.1	1.0	1.3
Sdk2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sdpr	101.4	58.4	46.2	75.5	42.8	55.2	78.5	52.2	64.5	87.2	99.6	79.5
Sdr39u1	4.7	5.4	6.0	5.0	4.0	4.8	3.6	4.4	4.4	4.4	4.4	6.0
Sdr42e1	2.3	2.4	2.2	2.2	2.0	2.4	2.0	1.6	1.7	1.9	1.6	2.4
Sds	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.0
Sdsl	10.9	10.0	5.7	9.0	7.1	6.7	4.8	3.5	4.9	7.0	4.6	4.8
Sebox	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Sec1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Sec11a	45.1	43.4	42.7	50.3	43.2	45.5	45.7	52.0	49.9	54.0	50.7	54.1
Sec11c	78.4	53.2	45.7	85.3	62.3	67.3	56.4	37.4	41.6	59.6	57.9	63.0
Sec13	132.7	117.3	105.0	130.0	111.1	113.5	122.9	123.5	111.7	118.5	130.5	124.5
Sec14l1	18.7	16.3	15.0	17.9	16.9	19.0	17.3	17.5	15.7	14.4	15.9	12.8
Sec14l2	0.7	0.3	0.3	0.6	0.5	0.7	0.8	0.8	0.6	0.2	0.6	0.5

Online Table 1

Sec14I5	0.1	0.2	0.1	0.0	0.3	0.1	0.1	0.0	0.0	0.2	0.0	0.1
Sec16a	18.3	20.4	18.9	17.8	19.4	17.8	19.5	19.3	18.0	16.4	19.0	17.1
Sec16b	1.9	1.2	1.8	1.6	1.3	1.2	1.8	2.1	1.8	1.8	1.8	1.6
Sec22a	5.9	5.1	5.0	5.6	5.3	5.7	4.6	4.8	5.3	5.3	7.1	5.4
Sec22b	58.4	55.8	54.1	60.9	52.0	58.4	51.9	55.7	49.9	48.9	52.3	52.2
Sec22c	1.1	0.9	0.8	1.0	0.9	1.0	0.9	0.8	0.9	0.8	1.0	0.8
Sec23a	61.7	53.4	47.6	69.3	52.5	65.8	57.9	52.0	53.3	51.8	68.2	60.6
Sec23b	24.8	23.4	21.9	26.4	24.1	21.4	24.5	23.9	24.0	23.9	25.2	23.7
Sec23ip	22.2	21.0	22.4	18.6	20.3	18.6	21.9	23.1	20.1	20.3	24.4	23.2
Sec24a	2.3	2.8	2.5	2.4	2.8	2.6	2.8	2.7	2.4	2.6	3.0	2.3
Sec24b	4.1	5.1	4.7	4.3	4.4	4.5	5.3	5.1	4.9	4.0	5.2	3.6
Sec24c	23.3	24.8	20.0	21.8	23.0	23.1	22.7	21.6	22.6	21.3	24.0	19.3
Sec24d	38.6	36.6	37.7	38.3	37.7	37.5	40.3	45.7	42.5	36.4	42.1	38.8
Sec31a	74.7	74.0	71.8	78.9	70.2	74.0	81.1	87.8	75.4	72.8	82.4	78.6
Sec31b	0.2	0.4	0.3	0.3	0.2	0.4	0.2	0.3	0.2	0.2	0.1	0.2
Sec61a1	63.8	57.9	54.1	64.7	64.4	57.4	66.8	76.1	69.1	69.9	66.8	66.2
Sec61a2	8.9	10.0	8.6	9.8	8.3	10.2	7.6	8.3	8.0	8.4	8.3	7.4
Sec61b	121.8	98.8	90.4	109.6	104.7	108.2	95.2	109.2	112.0	121.7	111.8	101.8
Sec61g	139.9	108.8	115.4	138.6	104.4	116.5	108.1	110.1	101.6	118.6	134.0	148.6
Sec62	64.8	57.6	70.7	90.1	54.7	73.0	68.8	59.4	52.4	60.1	75.9	85.5
Sec63	14.6	13.2	13.6	15.7	14.3	12.4	16.5	13.6	13.7	15.6	17.3	17.2
Secisbp2	4.9	4.8	3.4	5.4	4.6	4.5	4.3	5.2	4.9	4.5	4.8	4.6
Secisbp2l	20.9	21.2	19.7	24.2	20.9	20.3	21.9	19.0	20.9	18.0	22.8	21.7
Sectm1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Seh1l	11.6	10.9	10.7	11.8	11.5	11.9	11.6	11.2	11.0	12.9	12.5	11.4
Sel1l	43.3	43.3	43.5	45.5	41.8	42.6	44.1	46.1	45.7	37.0	43.3	40.4
Sel1l3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sele	0.2	0.2	0.1	0.4	0.4	0.1	0.3	0.1	0.1	0.2	0.2	0.2
Selenbp1	5.1	6.7	9.3	2.1	2.1	4.6	2.4	7.4	3.4	2.4	2.2	3.2
Selenbp2	1.8	2.3	3.2	0.5	0.7	1.5	0.7	2.6	1.2	0.9	0.6	0.9
Selk	82.0	57.2	51.8	93.8	63.8	83.4	55.3	49.7	50.5	67.7	70.4	75.5
Selm	94.7	59.8	50.5	91.3	57.8	88.4	82.6	74.8	68.7	77.0	77.5	75.9
Selp	0.8	0.2	0.8	0.2	0.5	0.2	0.3	0.2	0.2	0.5	0.1	0.7
Selplg	0.6	0.0	0.0	5.2	8.9	0.0	1.6	0.1	0.2	0.5	0.2	0.4
Selrc1	1.3	1.0	1.0	1.4	1.2	1.0	0.9	1.5	1.1	1.3	0.8	1.1
Sema3a	0.7	0.2	0.0	0.6	0.2	0.5	0.3	0.2	0.4	2.8	2.1	0.7
Sema3b	4.7	2.6	2.1	6.0	1.9	5.0	1.3	2.0	1.9	2.8	3.0	2.6
Sema3c	8.0	4.6	4.2	10.9	6.1	6.8	3.5	5.4	2.4	5.9	5.3	3.2
Sema3d	25.6	16.7	21.0	20.6	16.3	12.9	19.0	26.2	19.1	16.5	25.0	23.8
Sema3e	4.2	1.5	0.4	1.6	0.6	2.4	0.6	0.3	0.7	3.0	2.8	1.7
Sema3f	4.2	2.4	2.5	1.0	0.4	0.7	0.9	2.8	2.2	12.2	5.6	4.1
Sema3g	0.1	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.1	0.1
Sema4a	0.2	0.2	0.3	0.4	0.7	0.1	0.1	0.1	0.2	0.6	0.3	0.1
Sema4b	0.9	0.9	1.0	1.1	2.5	0.6	1.3	1.1	1.3	1.8	1.0	1.2
Sema4c	3.8	4.4	4.3	3.3	4.6	3.5	4.3	4.5	4.9	4.4	3.6	3.8
Sema4d	0.6	0.0	0.1	5.2	10.0	0.1	1.0	0.2	0.2	0.5	0.2	0.3
Sema4f	0.2	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.1
Sema4g	0.3	0.6	0.5	0.2	0.3	0.3	0.2	0.3	0.2	0.4	0.3	0.2
Sema5a	0.3	0.4	0.4	0.2	0.2	0.3	0.4	0.6	0.3	0.6	0.5	0.5
Sema5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sema6a	0.1	0.5	0.8	0.1	0.5	0.2	0.6	0.5	0.5	0.3	0.2	0.2
Sema6b	0.1	0.2	0.2	0.4	0.5	0.1	0.3	0.1	0.1	0.0	0.1	0.1
Sema6c	0.5	0.6	0.5	0.2	0.3	0.4	0.5	0.5	0.6	0.5	0.5	0.5
Sema6d	4.6	9.9	12.3	3.5	5.9	3.0	5.8	7.6	7.0	3.8	4.2	5.0
Sema7a	0.5	0.1	0.1	0.3	0.6	0.2	1.7	0.5	1.0	1.7	1.3	1.1
Senp1	3.2	3.2	3.1	3.4	3.0	3.1	3.6	3.3	3.2	2.3	3.0	2.9
Senp2	10.2	10.7	10.4	11.4	9.9	12.0	9.2	8.5	9.6	8.7	9.8	9.2

Online Table 1

Senp3	28.1	27.1	25.2	25.7	25.6	27.6	25.5	24.7	24.1	26.9	25.0	23.3
Senp5	10.2	10.3	8.9	9.9	10.3	10.6	9.0	8.4	9.1	10.3	11.0	9.2
Senp6	19.7	21.4	20.3	21.8	19.2	22.0	20.1	19.4	20.4	19.8	23.9	21.9
Senp7	2.7	2.8	3.3	2.4	2.1	2.3	2.3	3.1	2.7	3.5	3.3	3.5
Senp8	2.1	2.5	2.7	2.7	2.1	2.6	1.7	2.6	2.4	2.5	2.8	2.3
Sephs1	5.5	5.9	6.2	5.3	5.7	4.6	6.9	6.6	6.5	5.6	6.5	6.4
Sephs2	20.0	17.4	15.7	19.3	23.4	17.4	19.0	15.3	14.5	17.9	17.6	15.5
Sepn1	17.1	17.3	16.6	13.6	16.7	17.6	18.6	18.0	19.9	16.7	15.7	14.6
Sepp1	36.3	32.9	53.2	53.3	45.0	33.2	37.9	48.0	40.9	77.0	59.9	80.6
Sepsecs	4.8	4.7	4.4	4.8	4.1	4.5	4.7	4.1	4.7	4.4	4.2	4.8
Sepw1	75.6	49.1	48.7	89.0	48.5	90.8	53.7	53.6	46.4	60.2	57.7	59.2
Serac1	0.9	1.0	1.1	0.8	1.1	1.2	0.9	1.0	0.8	0.9	0.8	0.8
Serbp1	33.6	29.1	37.3	39.5	29.1	30.7	37.2	36.2	28.2	34.2	42.5	43.1
Serf1	40.5	34.8	41.5	51.0	32.8	46.5	35.4	38.3	30.7	37.4	45.9	46.5
Serf2	154.0	126.6	112.9	192.2	136.0	180.2	143.0	127.0	124.0	131.9	139.2	148.9
Sergef	3.9	3.4	3.3	3.0	3.2	3.5	3.1	3.4	2.7	3.0	3.0	2.8
Serhl	10.8	9.1	9.2	9.7	6.9	9.4	9.3	10.5	9.0	8.8	8.8	9.4
Serinc1	129.3	112.4	111.2	158.6	111.9	145.1	115.1	107.1	104.9	123.0	143.9	144.3
Serinc2	0.5	0.4	0.2	1.2	0.4	1.8	0.2	0.2	0.1	0.2	0.3	0.1
Serinc3	129.7	115.5	114.5	152.2	136.0	143.1	120.5	126.3	123.0	128.8	123.8	139.0
Serinc4	22.0	15.7	13.0	24.5	19.3	24.4	15.0	13.5	16.2	19.1	18.4	18.8
Serinc5	3.1	4.1	4.6	2.4	3.8	2.7	4.0	5.7	5.5	5.4	5.1	5.2
Serp1	103.3	92.8	92.4	112.3	109.9	101.2	93.9	99.2	108.2	124.6	131.9	125.4
Serp2	0.8	0.1	0.1	0.4	0.2	0.4	0.3	0.2	0.0	0.6	0.4	0.3
Serpina11	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1
Serpina12	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.3
Serpina3a	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina3b	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina3c	2.3	2.2	2.9	1.3	2.5	1.1	1.3	2.2	1.2	0.7	1.0	1.6
Serpina3f	0.2	0.4	1.1	0.2	0.8	0.1	0.3	1.0	0.3	0.2	0.1	0.4
Serpina3g	5.0	5.6	14.5	1.4	13.7	0.6	7.2	11.0	5.2	4.2	2.6	5.8
Serpina3h	3.7	4.5	10.2	1.4	5.3	0.6	2.8	10.7	3.2	0.7	0.8	2.1
Serpina3i	2.2	2.2	5.9	1.1	4.9	0.3	2.5	4.1	1.8	1.2	0.7	2.0
Serpina3j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina3k	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Serpina3m	0.2	0.9	2.7	0.0	0.6	0.0	0.4	0.7	0.2	0.5	0.3	0.5
Serpina3n	69.9	163.6	547.7	23.7	163.4	18.6	89.9	302.8	79.3	66.6	57.7	140.7
Serpina4-ps1	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Serpina5	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Serpina9	2.5	2.1	1.3	0.9	1.1	1.3	1.0	2.2	1.3	1.2	1.8	0.9
Serpina12	0.1	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina1a	32.5	16.0	13.7	16.0	17.9	15.8	17.7	24.5	27.3	22.3	26.8	34.3
Serpina1b	1.5	1.5	1.1	1.7	1.4	1.9	0.2	0.7	0.7	0.9	0.6	0.8
Serpina1c	0.9	0.4	0.1	1.5	0.2	1.1	0.0	0.1	0.0	0.2	0.2	0.1
Serpina2	0.0	0.0	0.1	0.2	0.1	0.0	0.4	0.0	0.2	0.3	0.2	0.2
Serpina6a	387.2	283.0	230.1	356.8	277.1	365.5	270.6	245.9	274.5	243.2	304.8	326.1
Serpina6b	87.8	33.5	27.1	42.3	24.1	45.0	19.2	16.0	27.0	76.4	66.5	56.3
Serpina6c	8.9	3.8	1.4	7.1	2.5	4.8	1.1	0.8	0.8	1.4	2.9	1.2
Serpina8	4.2	3.5	4.7	1.4	3.0	1.6	3.3	3.2	3.1	3.0	4.6	4.2
Serpina9	26.4	20.6	23.8	26.4	32.3	23.2	25.9	31.7	54.5	33.0	42.6	54.6
Serpina9b	295.4	133.1	58.7	225.3	109.0	240.2	60.1	48.2	43.8	87.4	129.2	99.8
Serpina9c	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Serpina1	1.5	1.2	0.8	2.1	3.7	1.2	2.8	1.4	1.8	2.3	1.4	1.4
Serpina1	1136.3	1360.5	912.0	1589.6	1106.2	1667.2	1306.9	740.8	806.3	799.2	891.7	769.0
Serpina2	126.0	158.0	165.5	93.6	164.6	118.0	105.7	110.5	93.2	76.0	82.0	97.7
Serpina3	2.4	3.5	2.0	1.3	1.4	0.6	1.4	1.8	0.6	1.4	1.1	0.8

Online Table 1

Serpinf1	183.4	207.8	306.5	244.4	188.0	277.2	250.4	355.3	299.4	238.6	261.1	238.5
Serpinf2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Serping1	173.8	240.3	355.5	178.4	215.4	137.7	190.2	261.7	189.0	141.3	124.4	183.1
Serpinh1	1054.5	1201.6	1295.3	964.9	975.8	908.3	1254.5	1671.3	1586.9	1384.1	1463.4	1275.9
Serpini1	4.5	4.7	6.2	4.2	5.6	4.7	3.6	5.0	2.8	4.0	4.3	5.8
Sertad1	16.3	13.7	12.2	16.4	16.4	12.9	19.3	16.8	18.0	20.2	17.5	14.1
Sertad2	5.8	6.2	5.1	5.8	5.8	5.9	5.9	6.4	6.3	5.2	6.4	5.4
Sertad3	4.0	4.2	3.8	2.6	3.0	4.0	4.3	4.8	4.0	3.1	3.1	3.8
Sertad4	1.7	1.8	3.4	1.4	2.9	1.7	4.4	10.6	5.3	3.2	4.2	3.4
Sesn1	6.5	7.5	9.2	5.4	6.3	6.9	5.2	7.8	7.7	8.1	7.9	7.1
Sesn2	10.3	11.5	9.1	8.0	9.6	9.2	10.3	9.2	10.5	12.0	10.0	7.1
Sesn3	8.7	11.9	14.5	6.8	9.0	7.2	10.1	12.6	10.8	13.7	12.6	12.2
Sestd1	5.6	6.0	5.4	5.4	4.9	6.2	4.9	4.1	4.3	4.4	4.9	5.1
Set	63.4	57.3	67.1	76.2	61.5	62.2	72.4	64.7	58.7	68.5	75.2	70.8
Setbp1	2.2	3.3	4.3	2.6	2.3	2.9	3.3	4.0	3.8	3.3	2.9	4.0
Setd1a	2.2	2.5	2.5	1.9	2.2	2.1	2.9	2.3	2.1	2.0	2.3	1.7
Setd1b	0.1	0.3	0.4	0.3	0.3	0.1	0.4	0.4	0.3	0.3	0.2	0.2
Setd2	9.1	10.3	11.2	7.5	8.4	7.7	9.4	10.3	8.6	8.6	10.0	9.8
Setd3	64.1	52.6	48.9	75.5	51.6	72.7	54.5	43.5	45.3	47.3	55.3	55.9
Setd4	0.7	1.1	0.8	0.5	0.9	1.1	1.1	0.8	1.2	0.7	0.7	0.8
Setd5	9.4	12.6	14.0	8.9	10.8	10.1	13.5	14.5	12.6	9.7	10.7	11.1
Setd6	6.7	7.1	6.9	8.4	5.1	9.8	5.4	6.8	4.7	5.9	6.8	5.8
Setd7	20.5	22.4	24.2	26.9	20.7	23.1	17.7	20.1	17.8	22.1	19.6	20.9
Setd8	28.5	29.8	31.5	34.3	25.4	33.3	31.3	29.6	23.1	22.6	32.6	28.5
Setdb1	6.7	7.2	7.2	5.5	7.3	6.4	6.4	7.6	6.7	6.2	6.6	6.5
Setdb2	2.2	2.1	3.0	3.0	2.2	1.7	2.2	2.3	2.1	1.8	2.7	2.1
Setmar	1.1	1.2	1.5	1.1	1.1	1.6	1.3	1.4	1.1	1.2	1.5	1.2
Setx	11.4	12.2	11.2	10.5	10.6	10.0	10.9	11.7	11.0	10.4	12.7	10.9
Sez6l1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.1
Sez6l2	0.0	0.0	0.0	0.2	1.1	0.0	0.3	0.1	0.1	0.1	0.0	0.1
Sf1	8.1	9.7	9.6	9.3	9.9	9.0	10.8	9.3	9.1	8.7	9.9	8.7
Sf3a1	7.8	9.1	8.6	9.7	7.9	8.3	9.7	8.5	7.7	8.0	9.7	8.4
Sf3a2	1.9	2.4	2.8	3.5	3.3	3.0	3.6	3.3	2.3	2.2	2.8	1.9
Sf3a3	28.3	23.9	23.7	27.8	23.2	23.6	22.4	23.1	19.5	21.1	22.9	22.8
Sf3b1	48.7	46.1	42.7	50.1	49.0	43.6	43.9	40.4	45.2	49.8	48.6	48.4
Sf3b2	57.9	56.6	61.9	67.4	53.5	68.2	62.3	62.3	48.3	54.0	59.8	59.9
Sf3b3	26.5	26.3	28.9	27.1	30.0	26.8	32.1	33.6	28.7	29.7	29.9	26.5
Sf3b4	9.6	10.3	9.6	13.4	12.2	11.2	11.7	9.9	9.9	10.8	10.2	8.6
Sf3b5	58.1	51.4	47.3	60.4	58.6	64.1	56.6	57.5	52.6	58.4	53.4	46.2
Sfi1	3.5	3.1	3.0	3.0	2.8	3.4	2.6	2.5	3.2	2.5	3.1	2.7
Sfmbt1	1.5	1.7	1.7	1.7	2.1	1.7	1.7	1.4	1.7	1.8	1.7	1.8
Sfmbt2	0.3	0.3	0.2	0.5	0.3	0.4	0.2	0.2	0.2	0.4	0.5	0.3
Sfn	2.0	1.2	1.0	2.3	1.7	1.4	1.4	1.3	1.2	1.4	1.3	1.3
Sfpi1	1.7	0.0	0.0	10.5	20.9	0.0	2.7	0.3	0.5	1.3	0.5	1.4
Sfpq	15.2	16.6	20.5	17.2	16.3	12.7	18.8	17.3	16.0	18.5	21.5	17.1
Sfr1	70.4	68.5	81.5	76.8	61.5	72.5	81.9	93.8	67.2	67.9	91.8	88.6
Sfrp1	44.4	141.5	460.5	31.5	122.7	51.2	202.6	435.6	280.2	232.1	224.0	348.9
Sfrp2	4.3	4.5	18.7	1.2	2.2	0.9	2.0	25.0	6.9	4.6	3.0	5.9
Sfrp4	1.6	0.7	0.3	0.5	0.1	0.5	0.1	0.1	0.1	0.5	0.6	0.3
Sfrp5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sfrs18	11.3	12.7	17.5	12.1	10.6	11.6	13.7	13.2	12.9	11.3	12.9	13.9
Sfswap	7.5	7.4	8.6	7.0	7.2	6.3	9.6	9.6	8.4	7.2	7.7	7.5
Sft2d1	15.3	16.1	12.7	16.0	18.0	16.1	14.6	13.6	22.3	19.0	15.9	14.4
Sft2d2	15.6	13.0	10.7	14.6	11.2	14.9	10.1	9.4	9.9	15.0	13.1	12.6
Sft2d3	1.5	1.8	1.4	1.7	1.4	1.8	1.8	1.8	1.7	1.6	1.9	1.9
Sftpb	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sfxn1	13.1	12.3	8.8	12.5	10.3	14.5	10.4	11.0	11.1	11.8	12.5	10.0

Online Table 1

Sfxn2	2.3	1.7	1.4	2.3	2.4	1.6	2.1	2.4	2.4	2.0	2.3	2.4
Sfxn3	13.4	15.0	11.9	15.0	14.2	13.8	15.0	17.2	13.4	12.8	13.3	9.7
Sfxn4	1.2	0.9	1.2	1.0	0.7	1.5	0.6	0.8	0.8	0.6	0.7	1.0
Sfxn5	0.9	1.0	1.2	1.4	1.6	1.2	1.1	1.0	1.1	1.5	0.7	1.0
Sgca	0.1	0.1	0.1	0.1	0.0	0.3	0.2	0.0	0.1	0.1	0.0	0.0
Sgcb	14.2	14.8	20.1	17.5	15.0	15.6	13.3	17.0	13.6	10.9	13.2	16.5
Sgcd	6.6	4.2	6.2	4.7	4.8	6.0	4.5	3.4	4.7	5.5	6.7	4.7
Sgce	62.0	58.5	61.9	60.5	56.5	62.8	69.7	74.9	67.0	54.0	64.3	66.9
Sgcg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgcz	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgip1	0.2	0.1	0.1	0.2	0.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0
Sgk1	13.8	18.3	20.7	15.1	23.1	10.4	36.6	35.7	26.6	42.0	33.2	37.6
Sgk2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgk3	2.8	3.0	3.1	2.8	3.5	2.2	2.7	2.8	2.9	3.2	3.4	3.2
Sgms1	6.6	5.8	6.2	8.6	7.5	7.0	9.2	8.1	7.3	7.9	9.9	6.5
Sgms2	8.6	7.9	5.8	7.5	6.7	9.7	8.5	6.2	5.9	5.8	8.4	6.6
Sgol1	0.7	1.8	2.3	0.4	2.1	0.3	2.6	1.0	2.0	1.1	1.5	1.4
Sgol2	1.4	2.6	4.5	0.5	3.1	0.9	3.9	1.6	2.8	1.5	2.7	1.7
Sgpl1	48.7	44.4	33.6	54.2	52.8	51.4	37.5	30.0	35.0	46.7	39.5	41.4
Sgpp1	15.6	17.8	22.7	21.0	15.5	19.6	17.7	20.2	18.2	19.7	21.4	24.1
Sgpp2	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1
Sgsh	13.9	11.9	11.2	15.2	11.7	18.3	12.0	10.0	9.9	11.5	11.1	10.5
Sgsm1	1.2	1.7	1.3	1.1	1.0	2.1	1.8	1.3	1.0	1.0	1.1	0.8
Sgsm2	3.4	3.9	3.5	3.0	3.0	4.4	2.8	3.6	3.2	3.3	3.1	3.0
Sgsm3	4.8	4.2	3.4	4.4	4.1	5.5	4.3	4.4	3.9	4.1	3.7	3.8
Sgta	24.1	24.6	24.4	26.9	24.9	27.3	28.7	27.1	22.6	21.7	23.5	22.1
Sgtb	3.1	3.1	3.0	2.9	1.9	3.5	3.1	3.3	3.2	3.3	3.4	3.5
Sh2b1	4.6	4.4	4.2	4.6	4.6	5.0	5.2	4.5	5.1	5.2	4.6	4.2
Sh2b2	1.0	1.2	1.7	1.2	2.1	1.0	2.3	1.9	2.0	1.6	1.4	1.3
Sh2b3	7.2	6.6	5.9	6.0	8.4	7.1	7.3	5.9	7.1	6.7	6.3	6.1
Sh2d1b1	0.2	0.0	0.0	1.2	5.1	0.0	0.7	0.0	0.1	0.6	0.2	0.6
Sh2d2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sh2d3c	0.3	0.3	0.3	1.0	1.0	0.1	0.2	0.3	0.3	0.2	0.1	0.1
Sh2d4a	6.5	5.1	5.5	9.1	4.9	6.4	5.5	4.5	5.1	2.2	4.4	2.7
Sh2d4b	0.1	0.1	0.2	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Sh2d5	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Sh2d7	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Sh3bgr	1.7	1.8	1.1	1.6	0.9	1.8	1.1	0.5	1.3	2.9	3.6	1.7
Sh3bgrl	70.9	78.2	105.2	112.3	94.3	100.9	87.8	79.3	94.8	101.1	126.4	128.0
Sh3bgrl2	0.6	0.2	0.5	2.7	2.9	0.2	0.5	0.4	0.2	0.7	0.2	0.6
Sh3bgrl3	155.2	129.5	116.3	233.8	260.4	177.5	179.1	128.4	122.7	131.5	143.1	134.7
Sh3bp1	4.2	4.8	4.2	4.8	5.1	3.5	4.2	3.5	3.4	3.6	3.1	2.9
Sh3bp2	4.4	5.0	5.1	7.1	10.8	3.7	7.2	7.5	6.2	4.5	4.8	4.5
Sh3bp4	3.2	3.5	2.7	3.7	3.4	3.5	3.5	3.4	3.6	5.2	4.8	2.9
Sh3bp5	16.9	17.1	24.3	17.2	18.4	18.6	21.6	19.8	17.2	15.0	16.5	19.1
Sh3bp5l	8.6	8.1	7.8	8.2	7.9	7.3	9.1	9.3	10.0	7.8	9.0	7.7
Sh3d19	21.0	21.5	21.9	29.7	20.3	28.0	20.8	17.1	14.2	16.8	18.4	16.4
Sh3d21	0.8	0.9	0.8	0.3	0.3	1.0	0.4	1.0	0.4	1.4	1.1	1.2
Sh3gl1	21.7	23.4	25.1	23.2	26.6	20.0	30.5	33.3	32.2	25.6	24.4	24.2
Sh3gl3	1.4	0.8	0.4	1.5	0.8	2.3	0.7	0.3	0.5	0.6	1.5	0.9
Sh3glb1	48.9	49.2	47.0	60.4	48.8	52.5	53.3	47.6	50.1	46.1	63.3	58.1
Sh3glb2	25.7	21.5	17.7	27.4	19.4	24.4	19.1	17.7	18.4	26.8	24.0	19.0
Sh3kbp1	2.4	1.7	1.8	5.2	4.8	4.1	3.7	2.2	2.3	8.1	7.8	5.4
Sh3pxd2a	26.2	23.5	22.1	26.9	27.2	28.9	28.4	25.5	24.1	21.8	24.5	22.1
Sh3pxd2b	3.2	4.8	4.7	4.4	6.7	4.6	4.2	4.6	4.8	5.1	4.0	5.0
Sh3rf1	7.2	7.2	6.4	7.6	8.0	6.4	8.9	4.7	6.7	13.9	10.0	10.5
Sh3rf2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.1

Online Table 1

Sh3rf3	0.9	1.5	1.9	1.1	1.3	0.7	1.5	2.4	1.7	1.4	1.4	1.3
Sh3tc1	0.8	0.3	0.3	1.0	1.6	0.6	0.3	0.3	0.3	0.9	0.3	0.3
Sh3tc2	7.4	7.0	5.4	5.5	5.3	6.1	6.0	6.8	8.0	8.7	8.6	6.5
Sh3yl1	4.0	4.3	4.6	2.4	3.3	3.6	3.3	3.3	3.0	3.1	3.0	2.8
Shank1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shank2	0.1	0.1	0.2	0.1	0.1	0.3	0.1	0.2	0.1	0.0	0.1	0.1
Shank3	0.4	0.5	0.4	0.6	0.3	0.4	0.7	0.4	0.6	0.5	0.4	0.5
Sharpin	13.2	11.4	12.6	16.1	12.6	14.2	14.5	14.2	11.8	12.1	12.8	11.5
Shb	6.6	5.2	4.8	3.8	4.1	3.1	4.8	4.2	4.7	9.5	5.8	4.5
Shc1	60.0	63.7	61.9	53.7	64.6	57.3	60.5	58.3	58.8	79.9	63.2	63.3
Shc2	17.6	13.7	11.0	24.6	11.4	28.8	10.7	9.5	8.3	9.3	11.3	11.4
Shc3	0.4	0.3	0.3	0.4	0.3	0.6	0.2	0.1	0.1	0.1	0.0	0.2
Shc4	0.6	0.4	0.3	0.6	0.5	0.8	0.5	0.4	0.5	0.8	0.8	0.8
Shcbp1	1.2	3.3	5.8	0.5	4.3	0.3	5.2	2.0	3.9	2.0	3.6	2.3
Shd	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.1
She	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Shf	1.4	2.3	2.6	1.2	1.6	1.5	2.1	3.1	2.5	2.1	2.5	2.5
Shfm1	261.0	201.9	236.9	260.8	204.0	237.4	248.0	223.1	194.1	238.7	250.4	277.5
Shisa2	0.3	0.6	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
Shisa4	20.5	18.6	18.1	24.6	17.3	32.6	17.3	19.3	17.1	23.2	24.3	14.9
Shisa5	98.4	91.4	85.1	129.7	102.7	112.9	101.8	96.0	93.1	81.0	83.2	91.9
Shisa6	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.2	0.2	0.0	0.1	0.2
Shisa9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shkbp1	3.0	2.6	2.6	3.8	3.0	2.6	2.6	3.0	3.0	3.3	2.4	2.7
Shmt1	1.6	1.6	1.6	0.6	1.3	0.9	1.5	1.0	1.1	1.4	1.2	1.6
Shmt2	19.2	13.5	12.8	18.7	12.9	18.7	18.6	22.4	16.5	11.9	16.5	11.3
Shoc2	19.1	19.0	18.9	20.7	18.6	20.6	21.3	19.6	20.6	18.7	24.4	22.3
Shox2	2.7	1.6	1.8	3.3	1.9	1.8	2.2	2.3	2.4	2.3	1.8	1.7
Shpk	2.1	2.3	1.8	1.7	2.3	1.8	1.8	1.6	1.8	1.6	1.5	1.6
Shprh	6.4	6.4	6.2	6.8	5.5	6.6	5.4	5.9	5.7	7.0	6.4	6.0
Shq1	2.8	2.4	1.9	2.4	2.4	2.5	1.8	1.8	2.0	2.3	1.9	1.9
Shroom1	1.3	1.2	1.6	0.7	0.9	1.2	1.1	1.4	1.3	1.1	1.5	1.1
Shroom2	6.8	6.0	4.9	4.1	3.9	3.6	4.0	3.1	3.4	7.8	6.5	5.4
Shroom3	4.6	5.4	5.5	3.4	3.6	2.5	3.5	3.8	3.7	6.6	4.3	3.8
Shroom4	0.9	1.0	1.0	0.5	0.6	0.7	0.8	0.7	0.8	1.3	0.8	0.8
Siae	6.8	7.1	8.1	6.1	6.8	8.3	5.8	7.6	6.9	6.2	5.6	6.7
Siah1a	5.1	5.0	5.4	5.3	4.6	5.9	4.6	4.6	6.0	5.9	5.3	5.8
Siah1b	1.1	1.0	1.2	0.7	1.1	0.6	1.5	1.3	1.1	1.2	2.0	1.0
Siah2	3.5	3.6	2.8	3.5	3.4	2.8	3.4	3.1	3.7	3.2	3.9	2.8
Sidt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sidt2	34.7	38.2	34.8	33.2	36.2	35.1	39.6	33.8	37.1	35.9	34.4	33.2
Sigirr	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0
Siglec1	0.1	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Siglec5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Siglece	0.2	0.0	0.0	1.4	5.7	0.0	1.3	0.1	0.1	0.4	0.2	0.2
Siglecg	16.3	15.9	7.1	15.4	11.2	12.1	15.6	5.5	8.9	5.0	9.9	5.7
Sigmar1	18.9	18.2	17.0	19.7	19.8	16.2	30.1	29.6	23.9	17.7	23.4	18.7
Sik1	3.2	4.0	3.5	2.7	2.5	3.9	2.2	3.3	3.0	3.0	2.2	2.8
Sik2	5.3	6.3	6.2	5.7	5.5	6.0	5.3	5.3	4.6	5.2	4.9	4.8
Sik3	3.1	3.5	3.3	2.7	2.7	3.6	3.3	2.8	2.9	2.9	3.1	2.6
Sike1	10.5	9.2	9.8	9.9	9.5	9.2	8.6	9.6	10.0	9.2	9.3	9.3
Sil1	50.2	41.8	40.0	56.3	36.8	59.9	45.0	41.2	36.7	38.8	40.6	46.7
Sim2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0
Simc1	3.3	3.4	3.2	3.0	2.7	3.4	4.0	3.1	3.0	3.1	4.0	3.7
Sin3a	6.9	8.1	9.9	7.2	7.6	7.3	9.0	10.6	8.2	7.7	8.5	8.7
Sin3b	71.2	68.9	57.7	66.1	59.2	59.1	59.1	63.0	63.2	62.5	56.0	59.1
Sipa1	2.7	3.7	3.6	3.6	6.1	2.7	4.4	4.0	4.5	3.9	3.5	3.1

Online Table 1

Sipa111	20.6	23.4	22.7	18.7	20.0	16.4	34.1	27.9	33.4	26.6	32.1	31.1
Sipa112	2.7	3.0	3.1	2.6	4.8	1.9	4.7	3.6	3.9	5.5	4.4	4.1
Sipa113	0.8	1.2	1.0	0.8	1.1	1.0	1.6	0.9	1.0	1.0	1.1	0.7
Sirpa	12.7	10.5	12.1	32.7	40.4	11.7	11.4	9.8	8.1	8.5	7.2	9.5
Sirpb1a	0.1	0.0	0.0	0.2	1.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Sirpb1b	0.3	0.0	0.0	0.3	3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Sirt1	3.2	2.8	2.7	2.4	2.7	2.8	2.1	2.8	2.7	3.1	2.7	3.1
Sirt2	43.4	38.3	35.6	50.6	40.8	49.3	40.1	39.5	33.1	36.8	39.3	43.2
Sirt3	4.8	4.4	3.4	5.6	3.6	5.9	3.4	3.2	4.1	3.4	3.0	3.1
Sirt4	2.6	3.1	3.7	2.6	3.3	3.5	2.7	3.4	3.1	2.7	2.8	2.8
Sirt5	3.3	2.9	3.1	4.6	2.8	4.0	4.0	3.4	3.1	2.7	2.7	3.8
Sirt6	3.2	3.0	3.2	3.5	3.7	3.9	3.1	3.3	3.2	3.5	2.6	2.8
Sirt7	6.5	7.3	5.3	7.9	7.9	6.0	6.2	6.6	7.1	6.5	7.0	6.4
Siva1	33.3	28.7	24.3	24.3	24.9	32.4	22.3	20.3	25.4	31.3	26.2	24.3
Six1	1.0	1.1	0.8	1.5	1.0	1.4	1.3	0.9	1.0	1.4	1.7	1.8
Six2	0.2	0.1	0.0	0.4	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.0
Six4	2.1	2.3	2.0	2.4	2.3	2.4	1.7	1.9	1.7	2.3	2.0	2.1
Six5	1.9	2.3	2.3	1.8	1.7	2.0	2.1	2.8	2.6	2.3	2.1	1.8
Ska1	0.2	0.6	1.1	0.1	0.9	0.1	0.9	0.5	1.0	0.3	0.7	0.3
Ska2	6.7	7.7	7.9	6.2	6.1	4.6	8.6	6.0	7.2	7.7	9.3	7.1
Ska3	1.2	2.0	2.1	0.7	2.1	0.6	2.6	1.3	2.2	1.2	1.9	1.1
Skap1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.0	0.1	0.2	0.2	0.1
Skap2	28.0	20.9	21.6	39.1	43.3	24.1	27.1	22.7	25.7	40.3	33.8	37.0
Ski	22.9	29.8	29.3	21.3	25.6	21.7	31.9	31.4	31.3	24.6	25.1	23.7
Skida1	0.5	0.6	0.7	0.8	0.3	0.5	0.6	1.0	0.7	0.8	0.6	0.7
Skil	11.1	10.7	10.7	12.1	13.8	9.7	12.6	11.2	12.7	11.1	12.4	13.4
Skiv2l	10.7	11.2	10.9	9.4	10.0	10.4	10.3	12.3	10.9	10.1	8.9	9.4
Skiv2l2	19.9	20.9	20.0	21.1	18.9	19.4	17.8	19.4	16.5	18.4	18.9	19.2
Skor1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skor2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skp1a	210.4	195.4	168.8	174.7	176.8	185.3	137.3	143.8	154.7	212.2	191.7	186.5
Skp2	1.3	1.7	2.5	1.2	1.8	1.2	2.2	2.2	1.9	1.7	2.4	1.5
Sla	0.5	0.4	0.2	1.6	3.1	0.2	1.8	1.0	1.2	0.5	0.4	0.9
Sla2	14.4	12.6	9.3	12.3	14.8	10.5	12.2	11.5	14.1	16.3	13.9	13.7
Slain1	0.1	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Slain2	17.9	15.3	13.0	22.6	15.4	18.5	14.9	12.7	12.8	14.4	16.6	16.0
Slamf6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slamf7	0.1	0.0	0.1	0.8	1.1	0.0	0.3	0.1	0.1	0.1	0.0	0.1
Slamf8	0.2	0.1	0.2	0.5	1.3	0.2	0.5	0.1	0.2	0.3	0.1	0.1
Slamf9	3.0	0.3	0.2	14.2	31.3	0.1	6.8	0.5	1.3	3.4	1.1	3.8
Slbp	10.5	16.7	20.0	10.0	16.8	11.7	19.6	14.3	18.7	16.1	19.2	17.4
Slc10a1	0.5	0.3	0.4	0.2	0.5	0.4	0.1	0.2	0.3	0.4	0.5	0.3
Slc10a3	16.2	15.9	17.4	18.7	16.5	15.9	18.3	16.5	15.2	16.6	15.7	17.4
Slc10a6	0.6	2.2	3.8	0.1	0.6	0.2	0.3	0.9	0.6	0.4	0.4	0.5
Slc10a7	4.0	4.0	4.2	4.2	4.2	4.5	4.9	5.2	4.6	4.2	5.0	4.9
Slc11a1	3.0	0.4	0.3	18.4	40.1	0.6	3.4	0.6	0.9	2.1	1.4	1.6
Slc11a2	11.9	9.8	9.1	13.7	14.1	10.8	10.0	9.6	8.0	7.7	7.6	7.4
Slc12a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc12a2	3.6	2.8	2.9	2.8	3.0	2.4	2.7	2.9	2.6	3.1	2.8	3.0
Slc12a4	29.7	28.4	26.6	28.8	29.2	26.9	34.0	30.3	34.1	31.4	29.7	28.6
Slc12a5	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.1
Slc12a6	8.4	8.5	7.9	8.7	10.5	8.4	8.7	8.2	8.5	8.0	8.8	7.7
Slc12a7	2.1	2.0	1.7	2.3	3.3	1.9	1.9	1.6	1.8	2.3	2.1	1.9
Slc12a8	1.8	1.6	1.5	0.8	1.0	0.6	1.1	1.1	0.9	1.1	1.6	1.2
Slc12a9	1.5	2.2	2.3	2.0	2.7	2.2	1.9	2.6	2.6	2.3	1.8	1.9
Slc13a3	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Slc13a4	0.3	0.7	0.7	0.0	0.0	0.1	0.2	0.3	0.1	0.1	0.2	0.2

Online Table 1

Slc13a5	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.2	0.1
Slc14a2	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Slc15a1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Slc15a2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1
Slc15a3	2.2	0.5	0.9	12.1	25.5	1.3	4.1	0.5	0.8	1.9	0.7	1.9
Slc15a4	12.0	11.9	7.6	13.3	14.2	12.8	10.5	9.6	9.5	10.4	9.0	9.9
Slc15a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc16a1	9.1	9.3	11.1	5.4	4.8	5.7	4.6	5.9	5.0	9.2	7.4	7.0
Slc16a10	1.5	1.4	2.0	1.5	2.5	0.9	0.9	0.8	0.7	0.7	0.6	0.8
Slc16a11	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1
Slc16a12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc16a13	0.8	0.7	0.6	0.9	0.6	1.3	0.7	0.7	0.6	1.2	0.8	0.8
Slc16a2	4.5	5.4	8.5	4.5	6.7	3.5	5.4	5.8	3.8	3.0	2.3	3.9
Slc16a3	3.8	4.4	2.8	4.8	12.5	4.9	7.3	2.9	6.4	5.1	4.2	5.3
Slc16a4	3.0	3.5	4.6	1.6	2.6	1.4	2.0	4.2	4.3	8.8	7.1	6.3
Slc16a5	0.6	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.5	0.2
Slc16a6	0.4	0.3	0.5	0.7	0.9	0.4	0.4	0.5	0.3	0.3	0.5	0.5
Slc16a7	0.2	0.2	0.3	0.3	0.4	0.0	0.3	0.3	0.2	0.3	0.2	0.2
Slc16a8	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
Slc16a9	2.1	2.6	3.9	2.1	2.1	3.2	2.7	2.5	2.4	2.4	2.0	2.7
Slc17a5	4.4	4.9	4.9	5.1	5.0	5.7	4.0	4.9	4.2	4.7	4.7	4.7
Slc17a7	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slc17a8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc17a9	1.7	0.9	0.6	2.2	1.0	1.0	0.9	0.5	0.7	0.7	1.1	1.0
Slc18a1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2
Slc18a2	0.5	1.0	0.9	0.7	0.7	0.7	1.0	1.2	0.9	0.9	1.4	0.9
Slc18b1	2.5	3.2	3.0	2.9	2.9	3.7	3.0	3.0	2.7	3.3	2.7	2.9
Slc19a1	1.4	1.9	1.5	1.8	1.5	1.6	2.2	2.5	2.2	1.4	1.7	1.7
Slc19a2	14.0	13.4	11.8	11.8	12.9	15.8	10.7	9.1	11.4	16.0	12.3	11.2
Slc19a3	0.5	0.4	0.3	0.3	0.2	0.4	0.3	0.2	0.3	0.1	0.3	0.2
Slc1a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc1a2	0.1	0.2	0.2	0.4	0.3	0.2	0.1	0.2	0.1	0.3	0.3	0.1
Slc1a3	7.4	13.7	21.9	9.2	11.8	6.4	12.9	26.9	15.1	8.9	12.1	12.1
Slc1a4	14.0	9.8	8.6	15.3	12.8	14.6	16.7	17.3	16.4	9.9	14.0	9.9
Slc1a5	19.0	22.6	29.1	11.8	13.3	18.8	21.2	38.7	33.4	11.2	15.9	15.6
Slc1a6	16.8	17.3	10.0	21.4	12.2	26.7	21.8	8.6	23.3	16.5	18.1	18.4
Slc1a7	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Slc20a1	13.0	10.6	8.6	17.7	14.6	13.1	14.9	13.3	15.3	13.2	11.8	11.9
Slc20a2	10.8	8.3	6.4	15.3	8.7	12.3	11.8	7.8	8.9	10.7	10.1	8.8
Slc22a13	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a13b-ps	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a14	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Slc22a15	1.3	1.0	1.1	1.3	1.0	1.0	1.3	0.8	1.0	0.9	1.0	1.2
Slc22a17	2.0	2.6	2.7	1.6	1.9	2.1	2.0	2.1	2.8	3.0	1.6	1.9
Slc22a18	10.5	6.8	4.9	10.2	7.7	10.6	5.2	3.8	3.5	4.3	3.3	4.7
Slc22a2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1
Slc22a21	0.9	0.8	0.9	1.1	0.8	0.7	0.9	0.5	0.7	0.9	0.9	1.0
Slc22a23	3.5	3.1	1.5	7.0	2.8	7.1	2.5	3.1	2.1	2.1	2.2	1.2
Slc22a27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a3	0.1	0.1	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Slc22a4	0.9	0.4	0.2	0.9	1.5	0.9	0.5	0.3	0.3	0.4	0.2	0.6
Slc22a5	5.1	4.3	3.3	4.5	4.1	5.2	3.9	3.6	4.1	5.5	3.6	4.0
Slc23a1	0.0	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Slc23a2	4.7	4.5	4.4	6.2	7.3	4.6	4.5	4.2	4.5	3.9	3.6	4.1
Slc23a3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Slc24a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc24a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Slc24a3	3.7	3.5	3.3	3.0	2.4	3.1	2.6	2.5	3.2	3.5	3.8	3.6
Slc24a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc24a5	1.4	1.0	0.6	2.5	1.2	2.7	0.8	0.7	0.4	0.4	0.6	0.4
Slc24a6	5.3	4.7	3.8	6.8	6.5	6.2	4.1	2.7	3.9	3.3	2.4	3.5
Slc25a1	55.5	66.2	57.5	41.8	43.9	59.8	59.1	62.5	53.6	41.5	58.4	44.7
Slc25a10	2.5	1.8	2.2	1.9	2.8	1.7	2.3	2.3	2.2	1.8	1.9	1.8
Slc25a11	31.5	29.9	26.1	29.2	31.1	28.8	28.7	29.4	30.6	31.0	27.2	27.1
Slc25a12	11.3	12.2	11.6	10.6	11.6	10.9	10.2	11.2	11.0	9.6	9.3	10.1
Slc25a13	1.6	1.0	1.1	1.3	2.6	1.0	1.4	0.9	1.0	2.7	2.4	1.4
Slc25a14	3.0	2.9	2.4	3.2	2.5	2.8	2.0	1.6	2.1	2.2	2.5	3.0
Slc25a15	3.8	3.8	3.7	3.0	2.9	4.0	2.9	2.5	2.7	3.3	3.0	3.6
Slc25a16	6.5	6.9	6.8	7.3	6.6	7.5	6.2	7.0	7.3	7.5	7.2	7.7
Slc25a17	22.3	23.9	23.6	21.7	23.3	20.8	25.0	21.8	24.2	22.8	27.0	25.6
Slc25a18	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.0	0.0
Slc25a19	4.6	3.7	3.8	6.4	4.6	6.5	3.0	4.2	4.1	4.8	3.3	3.7
Slc25a2	0.0	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0
Slc25a20	18.3	16.2	14.2	17.8	16.6	16.5	13.2	15.7	15.1	18.5	17.7	18.0
Slc25a21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc25a22	2.4	3.1	2.0	2.9	3.0	3.0	2.9	2.6	2.7	2.4	2.1	2.0
Slc25a23	0.7	1.1	1.2	0.8	0.7	1.3	0.6	0.8	0.7	1.7	0.7	0.8
Slc25a24	12.1	8.8	9.2	17.2	13.2	14.2	12.2	11.7	11.5	11.4	15.1	11.8
Slc25a25	5.2	4.3	3.1	4.3	5.7	3.9	4.5	3.4	4.3	5.9	5.0	4.2
Slc25a26	2.2	1.8	1.7	2.3	2.2	2.6	1.5	1.7	2.5	2.7	2.2	2.0
Slc25a27	0.4	0.5	0.5	0.2	0.4	0.4	0.2	0.4	0.3	0.4	0.2	0.3
Slc25a28	3.8	3.6	4.4	4.2	3.8	4.0	4.5	3.8	4.3	5.2	4.7	5.1
Slc25a29	1.2	1.0	0.9	0.5	1.1	0.7	1.0	1.0	0.9	1.0	0.8	0.8
Slc25a3	193.9	156.6	127.6	158.9	162.2	163.4	134.9	145.1	151.7	158.8	159.3	140.1
Slc25a30	8.1	8.5	9.1	8.1	10.4	9.1	13.3	10.8	13.5	11.0	13.4	11.7
Slc25a31	0.1	0.1	0.1	0.0	0.0	0.2	0.3	0.0	0.0	0.1	0.0	0.1
Slc25a32	6.3	5.3	5.4	6.7	6.3	4.8	5.8	5.1	6.5	7.0	6.9	7.1
Slc25a33	3.5	2.4	1.5	3.8	2.9	3.9	1.6	1.8	2.0	2.5	2.2	1.8
Slc25a34	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Slc25a35	0.9	1.7	1.6	1.2	1.2	1.4	1.2	1.6	1.2	0.7	0.9	0.7
Slc25a36	12.8	13.8	14.1	15.0	14.6	15.9	12.5	13.7	13.3	16.0	15.2	15.1
Slc25a37	7.2	7.6	6.0	7.6	9.1	8.9	7.7	4.4	5.5	6.4	5.9	5.7
Slc25a38	9.5	7.6	7.5	8.3	8.0	7.8	8.3	8.0	10.5	8.3	9.5	8.4
Slc25a39	67.3	57.7	46.9	64.3	55.9	68.7	51.6	55.9	51.5	55.7	54.3	45.8
Slc25a4	351.7	259.3	245.8	313.6	271.5	346.7	290.5	279.9	277.4	317.9	300.8	308.2
Slc25a40	5.1	6.4	7.0	4.5	5.6	6.1	6.2	5.0	6.5	5.5	7.1	6.6
Slc25a41	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Slc25a42	1.0	1.1	1.1	0.7	1.0	1.0	1.0	0.8	0.9	1.0	0.8	0.9
Slc25a43	1.9	1.2	1.2	1.6	1.7	1.8	1.7	0.7	1.0	1.2	1.2	0.8
Slc25a44	6.8	7.1	7.4	6.9	6.9	7.1	7.4	7.3	7.6	6.8	7.1	7.0
Slc25a45	4.0	4.0	4.2	6.2	6.2	4.3	5.2	4.4	4.2	3.7	3.5	3.0
Slc25a46	14.0	13.9	14.6	16.1	13.8	16.0	14.4	12.9	13.0	15.4	18.2	16.1
Slc25a47	0.4	0.5	0.4	0.8	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.3
Slc25a5	102.1	81.8	76.4	99.3	112.4	83.1	80.1	76.8	74.8	96.9	91.2	80.1
Slc25a51	16.6	15.9	14.4	15.1	15.5	15.7	15.2	16.6	16.8	16.0	16.8	15.8
Slc25a53	0.3	0.3	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1
Slc26a1	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.5	0.5	0.4	0.4
Slc26a10	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.1	0.0	0.0
Slc26a11	4.3	4.5	4.3	3.8	3.2	4.2	3.6	3.7	4.3	4.8	4.4	4.0
Slc26a2	3.1	2.9	2.7	3.0	3.5	2.7	3.2	3.2	3.2	2.9	3.0	2.8
Slc26a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc26a6	0.7	0.8	0.8	1.1	0.8	0.6	1.0	1.2	1.1	0.8	0.8	0.7
Slc26a7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc27a1	2.3	1.9	1.9	3.3	3.9	3.1	1.2	2.2	1.7	2.4	1.2	1.7

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Slc27a3	3.5	6.5	7.3	1.8	4.7	2.7	5.7	10.1	6.8	3.5	3.6	2.9
Slc27a4	8.9	9.2	8.5	8.7	8.8	7.7	9.9	10.2	10.3	10.0	10.4	8.6
Slc27a5	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Slc27a6	0.1	0.3	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.3	0.1
Slc28a1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc28a2	0.1	0.0	0.0	0.1	0.4	0.0	0.2	0.1	0.0	0.1	0.1	0.2
Slc28a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc29a1	12.4	13.9	16.0	13.0	16.6	18.6	21.4	25.5	21.1	18.8	18.7	16.9
Slc29a2	0.2	0.3	0.2	0.3	0.2	0.3	0.1	0.3	0.2	0.2	0.2	0.1
Slc29a3	3.5	4.3	4.3	5.0	5.0	5.0	4.7	4.7	4.2	4.1	4.1	3.5
Slc29a4	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Slc2a1	11.1	11.9	11.5	12.7	17.5	16.6	16.6	9.0	13.8	14.2	12.7	11.6
Slc2a10	5.7	5.2	4.6	5.1	5.4	5.3	6.1	6.3	6.0	4.1	4.9	4.6
Slc2a12	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2
Slc2a13	1.9	1.6	1.8	1.6	1.4	1.3	2.2	1.5	1.9	2.2	2.3	2.7
Slc2a2	0.3	0.3	0.3	0.8	0.3	0.3	0.4	0.5	0.3	0.4	0.4	0.5
Slc2a3	0.8	1.1	1.2	0.6	0.8	0.9	0.8	0.9	0.7	1.9	1.0	0.8
Slc2a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc2a4rg-ps	0.7	0.8	0.4	0.5	0.6	0.5	0.6	0.5	0.6	0.3	0.7	0.3
Slc2a5	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0
Slc2a6	7.0	5.8	6.5	12.6	16.2	7.1	9.1	8.7	4.8	2.8	4.8	3.5
Slc2a8	5.8	5.2	5.4	3.5	4.7	4.7	5.4	5.6	5.9	5.7	4.0	4.4
Slc2a9	1.4	1.2	1.2	2.1	2.2	1.5	1.5	0.8	1.0	1.1	1.0	1.0
Slc30a1	4.4	4.0	4.7	4.6	4.9	3.8	4.5	4.1	4.5	6.0	4.9	4.9
Slc30a4	14.2	12.9	11.4	12.2	11.4	13.4	10.8	11.7	11.9	12.0	13.1	12.2
Slc30a5	20.1	18.9	18.6	18.7	20.4	18.5	19.2	20.0	20.4	21.4	21.4	21.6
Slc30a6	7.3	7.9	7.0	7.4	7.1	7.1	7.6	7.5	8.5	7.9	8.6	8.6
Slc30a7	6.1	6.8	6.8	5.7	6.6	5.5	7.1	7.6	7.0	7.1	7.5	7.2
Slc30a9	30.7	28.8	23.2	29.2	24.8	26.9	25.6	20.7	24.7	26.7	28.0	27.6
Slc31a1	9.0	12.3	12.2	9.3	10.8	7.6	10.0	13.3	10.5	10.3	10.4	10.7
Slc31a2	13.3	9.9	8.3	14.8	13.4	11.6	8.5	9.7	10.0	13.6	10.6	10.3
Slc33a1	20.7	18.0	15.5	17.4	19.2	18.3	15.1	13.7	19.1	20.7	18.5	18.5
Slc35a1	28.9	26.2	20.1	25.7	22.4	26.7	18.4	17.6	22.5	22.9	22.1	19.3
Slc35a2	21.5	19.3	17.5	20.9	21.3	20.4	20.5	24.3	22.8	20.3	20.2	20.1
Slc35a3	6.7	7.6	7.3	6.6	7.2	6.9	6.2	6.4	7.2	6.6	7.6	8.1
Slc35a4	10.5	10.2	8.8	11.3	11.9	11.5	10.7	11.2	10.5	10.5	8.6	7.8
Slc35a5	10.6	10.5	9.9	12.9	9.9	11.7	9.9	9.1	9.8	10.7	11.2	11.8
Slc35b1	60.5	50.7	44.4	63.2	46.4	55.3	51.3	51.3	51.1	48.0	51.4	50.2
Slc35b2	16.2	17.3	14.7	15.0	15.7	18.2	19.8	19.0	18.7	20.1	16.2	17.8
Slc35b3	7.0	5.9	5.6	6.2	7.0	6.5	6.5	5.2	7.5	6.6	6.8	6.3
Slc35b4	6.4	6.0	6.8	6.6	7.2	6.0	7.4	9.6	8.6	8.5	7.2	6.8
Slc35c1	1.2	1.4	0.9	1.5	1.9	1.2	1.3	1.6	1.1	1.3	1.3	1.0
Slc35c2	14.3	11.4	7.1	19.0	14.0	14.1	11.7	9.3	9.6	10.6	9.9	9.7
Slc35d1	0.9	0.8	1.0	1.0	0.8	0.8	1.0	0.7	0.6	1.3	1.0	1.0
Slc35d2	2.5	3.0	2.4	2.5	2.6	2.4	2.5	2.2	2.7	2.0	2.8	2.6
Slc35d3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc35e1	12.2	11.4	11.0	11.8	11.6	11.9	11.9	10.2	9.8	9.2	10.6	9.8
Slc35e2	2.5	2.3	2.7	3.0	2.5	3.2	2.8	2.5	2.4	2.8	2.5	2.6
Slc35e3	9.1	8.1	8.1	9.3	7.6	9.0	7.5	7.0	6.8	7.6	7.0	7.3
Slc35e4	7.6	4.5	3.4	9.3	6.7	8.1	5.3	5.3	5.2	6.5	5.9	4.2
Slc35f1	0.2	0.1	0.2	0.3	0.5	0.4	0.3	0.1	0.2	0.1	0.1	0.1
Slc35f2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc35f3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc35f5	19.1	18.9	16.4	18.7	18.3	19.3	17.6	18.1	21.2	18.5	19.0	18.7
Slc35f6	11.4	11.0	8.9	13.6	12.5	14.2	11.5	10.9	11.2	11.0	10.7	11.0
Slc35g1	0.8	0.7	0.9	0.8	0.8	0.7	0.6	0.5	0.4	0.6	0.5	0.5
Slc35g2	0.4	0.7	0.5	0.4	0.5	0.5	0.5	0.7	0.8	0.4	0.3	0.5

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Slc35g3	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.0
Slc36a1	2.2	2.7	2.3	2.8	3.4	3.0	2.6	2.4	2.7	2.2	2.3	1.8
Slc36a2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Slc36a4	7.8	7.8	10.3	8.4	8.5	6.3	9.6	8.4	8.9	7.9	9.9	8.7
Slc37a1	0.0	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Slc37a2	1.2	1.1	1.7	3.3	7.1	0.8	1.2	1.0	1.1	1.0	1.0	0.9
Slc37a3	7.2	6.9	7.2	7.8	7.4	7.2	6.5	7.4	6.2	6.6	6.7	6.8
Slc37a4	4.5	4.2	3.7	5.3	4.0	5.8	4.0	4.3	4.6	3.7	4.4	3.9
Slc38a1	3.5	1.7	1.3	3.5	2.6	3.7	2.1	1.5	1.8	4.6	3.5	2.4
Slc38a10	57.3	46.3	45.2	69.1	57.6	67.1	62.8	49.6	50.9	55.8	52.8	59.6
Slc38a11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc38a2	27.0	27.4	29.9	25.8	31.2	24.6	33.2	37.0	39.5	49.7	42.7	38.9
Slc38a4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slc38a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc38a6	1.8	1.9	1.8	2.1	2.0	1.9	1.4	1.6	1.4	1.3	1.0	1.4
Slc38a7	5.7	4.8	3.5	7.4	4.7	6.8	5.1	5.5	4.7	4.4	5.0	4.7
Slc38a8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc38a9	1.2	1.3	1.3	1.3	1.2	1.2	1.0	1.0	1.1	1.1	1.0	1.0
Slc39a1	73.6	70.9	80.6	84.4	82.7	66.5	96.9	104.5	94.0	89.3	92.2	97.3
Slc39a10	4.9	3.8	3.8	4.8	5.6	3.5	4.9	4.9	5.4	14.0	7.7	7.3
Slc39a11	11.8	10.5	9.4	11.8	12.4	13.6	9.5	9.0	8.5	11.2	9.9	8.6
Slc39a13	34.8	32.2	27.0	44.2	36.3	35.0	46.1	32.9	38.8	30.6	36.5	32.2
Slc39a14	15.3	19.5	26.2	11.9	28.5	11.9	30.5	36.6	29.8	20.6	20.5	24.3
Slc39a2	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Slc39a3	4.8	5.0	4.1	4.6	5.1	5.1	5.1	6.1	6.5	5.7	5.2	5.4
Slc39a4	1.2	0.2	0.3	2.4	4.3	1.5	0.5	0.0	0.0	0.3	0.1	0.1
Slc39a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc39a6	28.2	25.8	21.3	28.4	28.5	26.0	31.0	22.4	25.3	25.0	26.8	27.3
Slc39a7	105.4	84.4	77.3	117.7	83.2	103.6	97.8	90.0	87.5	84.6	92.3	92.1
Slc39a8	4.6	3.6	2.0	3.4	2.8	4.0	3.4	2.4	2.2	5.8	5.8	4.0
Slc39a9	4.0	4.7	4.9	5.1	5.8	4.7	5.2	6.0	5.2	5.1	4.9	5.1
Slc3a1	0.1	0.1	0.0	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Slc3a2	30.3	22.5	23.2	36.8	30.0	32.4	27.2	38.3	28.5	24.4	28.0	22.5
Slc40a1	0.9	0.3	0.1	6.2	8.5	0.3	0.2	0.3	0.3	0.5	0.3	0.4
Slc41a1	8.8	10.3	12.7	8.6	9.1	9.7	10.4	12.3	9.8	8.0	8.3	9.4
Slc41a2	7.5	6.3	6.2	9.0	9.9	6.8	9.3	8.7	7.3	6.9	8.6	8.3
Slc41a3	3.3	2.9	3.1	4.1	3.9	4.4	3.6	3.5	4.9	3.7	3.4	3.9
Slc43a1	0.1	0.2	0.6	0.1	0.2	0.2	0.4	0.7	0.8	1.0	1.0	0.5
Slc43a2	1.3	1.2	1.4	2.7	4.2	1.0	1.1	1.1	0.7	0.9	0.8	1.1
Slc43a3	14.8	24.8	40.7	9.5	21.2	11.7	24.4	27.4	36.0	21.2	23.3	44.2
Slc44a1	16.4	19.1	21.8	13.0	14.6	14.1	11.6	20.5	16.1	13.6	14.8	15.6
Slc44a2	89.4	123.0	135.1	80.7	97.2	99.6	134.8	204.5	162.3	99.0	120.7	116.6
Slc44a3	0.2	0.5	0.9	0.1	0.3	0.3	0.3	0.6	0.4	0.7	0.6	0.7
Slc44a4	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slc44a5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Slc45a1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slc45a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc45a3	3.1	5.0	5.8	2.3	4.2	2.5	7.5	8.3	10.4	4.9	5.4	8.3
Slc45a4	2.9	3.1	3.2	2.9	3.8	2.7	2.8	3.4	3.1	2.6	3.4	2.1
Slc46a1	2.2	1.8	1.4	3.2	2.0	2.6	2.0	1.9	2.1	2.3	1.7	1.5
Slc46a2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc46a3	1.3	1.6	1.4	1.4	0.9	1.3	0.9	1.0	0.9	0.9	0.8	1.0
Slc47a1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Slc48a1	86.3	82.7	67.8	103.1	84.1	113.7	67.6	78.1	60.3	109.9	91.1	83.0
Slc4a10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc4a11	0.5	0.6	0.5	0.6	0.4	0.8	0.5	0.5	0.4	0.3	0.3	0.4
Slc4a1ap	11.8	12.8	13.5	13.8	11.0	13.1	12.3	11.8	10.2	10.7	12.0	15.0

Online Table 1

Slc4a2	30.2	25.1	17.5	30.3	25.1	27.2	27.4	24.2	28.3	29.0	27.6	24.1
Slc4a3	3.0	3.1	2.8	2.6	2.3	3.1	3.1	3.2	3.5	2.6	2.1	2.3
Slc4a4	3.6	3.6	4.8	0.7	1.4	1.0	3.1	6.5	3.0	4.6	3.8	3.9
Slc4a5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Slc4a7	3.5	3.5	3.2	3.8	4.7	3.2	3.2	2.5	3.1	3.8	4.2	3.1
Slc4a8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc4a9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc50a1	25.3	26.5	29.2	27.9	22.5	29.2	30.1	38.1	31.6	28.6	28.0	29.2
Slc51a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Slc51b	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0
Slc52a2	2.6	2.3	2.6	3.0	2.7	3.0	2.1	2.3	2.5	2.2	1.9	2.2
Slc52a3	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Slc5a1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a11	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Slc5a12	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a3	4.4	9.6	11.1	5.0	5.2	8.3	4.6	8.8	4.8	6.1	4.8	4.4
Slc5a4b	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a6	0.8	0.7	0.9	1.2	0.9	1.2	1.0	0.9	0.8	0.8	0.7	0.7
Slc5a7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a8	0.2	0.2	0.1	0.2	0.3	0.1	0.1	0.0	0.1	0.2	0.2	0.2
Slc6a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a12	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0
Slc6a17	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.0	0.1	0.4	0.3	0.3
Slc6a18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a20a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a20b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Slc6a4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a6	27.5	29.6	24.8	54.8	46.9	35.7	38.4	24.6	25.0	27.8	35.5	25.5
Slc6a7	0.4	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.1	0.1	0.2
Slc6a8	19.4	18.5	16.8	22.2	21.2	23.6	20.0	16.1	19.0	19.2	17.5	19.3
Slc6a9	5.0	4.1	3.7	6.2	3.8	6.6	4.6	8.5	5.7	3.5	4.2	2.8
Slc7a1	8.6	7.1	5.8	9.8	8.1	9.3	9.1	9.1	8.8	5.8	8.0	5.3
Slc7a10	0.0	0.0	0.1	0.3	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Slc7a11	5.1	2.8	3.1	10.4	11.7	5.7	2.5	4.4	1.9	1.5	2.4	1.3
Slc7a13	0.5	0.3	0.3	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.5	0.3
Slc7a14	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Slc7a2	6.0	5.4	10.4	3.0	5.7	5.2	5.2	10.0	7.0	8.0	5.0	9.4
Slc7a3	0.5	0.3	0.2	0.3	0.1	0.3	0.3	0.4	0.3	0.4	0.5	0.3
Slc7a4	0.3	0.2	0.3	0.4	0.3	0.5	0.2	0.1	0.2	0.3	0.2	0.2
Slc7a5	9.8	5.4	4.5	8.4	4.5	7.6	7.5	14.6	10.9	5.6	9.3	4.4
Slc7a6	12.7	15.6	15.5	11.9	15.1	9.7	17.1	19.0	18.4	14.8	15.8	15.2
Slc7a6os	10.8	11.2	12.6	11.2	9.9	9.5	12.1	12.5	12.7	12.7	11.7	13.5
Slc7a7	3.1	2.5	2.4	3.1	4.9	3.8	3.8	3.1	3.7	2.7	4.0	3.2
Slc7a8	0.4	0.1	0.1	0.6	1.6	0.1	0.4	0.2	0.3	0.1	0.2	0.2
Slc8a1	3.0	5.9	8.7	3.6	6.1	2.9	8.2	10.4	9.8	5.9	6.6	8.4
Slc8a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Slc8a3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Slc9a1	2.5	3.2	4.2	3.3	3.8	3.2	4.5	4.1	3.9	2.9	2.6	2.6
Slc9a2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slc9a3r1	9.6	7.6	7.7	5.2	6.7	3.3	2.9	8.1	7.8	92.0	37.7	20.4
Slc9a3r2	22.9	28.9	28.2	19.7	22.2	20.9	29.4	27.4	31.1	28.7	27.9	26.0
Slc9a4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Slc9a5	0.5	0.8	0.8	0.5	0.8	0.7	0.8	0.5	0.6	0.6	0.5	0.4

Online Table 1

Slc9a6	4.9	5.5	4.8	5.0	5.6	5.2	4.8	4.7	5.3	5.1	5.3	5.2
Slc9a7	3.7	1.8	1.6	3.5	1.7	3.3	1.3	0.9	0.7	1.1	1.5	1.1
Slc9a8	3.5	2.7	2.3	3.5	3.6	3.0	4.1	3.7	4.0	3.1	3.0	3.1
Slc9a9	2.1	2.1	1.9	2.6	2.3	1.9	2.3	2.2	2.0	1.2	1.6	1.5
Slc9b1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.1	0.1
Slc9b2	0.1	0.1	0.1	0.3	0.2	0.3	0.1	0.1	0.0	0.1	0.2	0.2
Slco1a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slco1a4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slco1a5	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.2	0.1	0.0
Slco1c1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slco2a1	7.1	5.2	2.6	3.8	3.1	3.9	5.0	3.3	3.5	6.8	6.7	5.3
Slco2b1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Slco3a1	7.9	6.9	5.7	10.1	12.2	6.8	10.0	5.5	5.8	6.4	7.5	6.0
Slco4a1	0.2	0.0	0.0	0.8	1.3	0.0	0.2	0.1	0.1	0.1	0.0	0.1
Slco5a1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Slfn10-ps	0.5	0.3	0.5	1.0	1.5	0.4	0.6	0.2	0.3	0.3	0.5	0.4
Slfn14-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Slfn2	3.5	0.9	1.1	9.9	11.7	2.2	4.1	1.0	1.3	2.7	1.2	3.7
Slfn3	0.7	0.5	0.7	0.6	1.0	0.3	0.6	0.5	0.2	0.2	0.6	0.4
Slfn4	0.0	0.0	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Slfn5	16.2	20.0	32.9	24.4	18.8	16.8	16.8	30.9	17.9	8.1	11.5	18.5
Slfn8	3.3	2.2	4.0	4.0	2.9	2.6	2.2	1.5	1.3	0.9	1.6	3.6
Slfn9	2.5	3.2	5.5	1.9	5.4	1.3	6.1	3.1	3.0	1.6	3.8	3.4
Slfnl1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Slirp	100.3	85.6	59.7	78.8	80.9	92.2	59.8	74.4	78.5	72.1	80.1	75.8
Slit1	0.4	0.4	0.3	0.2	0.4	0.4	0.3	0.1	0.1	0.2	0.1	0.1
Slit2	17.3	14.6	12.8	16.8	19.4	14.9	23.7	25.1	26.5	33.0	33.0	24.7
Slit3	5.9	10.7	14.5	2.7	6.5	3.0	15.0	17.4	21.5	29.8	21.1	22.6
Slitrk2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1
Slitrk5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slitrk6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Slk	14.2	15.3	15.6	16.1	14.0	13.0	13.6	14.1	12.3	12.9	16.2	15.3
Slmap	11.2	12.3	12.0	14.8	13.1	12.7	13.1	10.3	10.9	11.6	13.7	13.7
Slmo1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slmo2	33.3	30.1	31.9	40.4	30.7	33.5	38.3	32.2	28.9	32.7	40.4	34.8
Slpi	0.4	0.3	0.3	0.5	0.3	0.1	0.6	0.7	0.5	2.5	1.3	0.9
Sltm	15.2	13.0	13.9	17.4	12.8	12.5	17.1	12.4	11.2	12.3	16.8	15.9
Slu7	27.0	19.8	21.5	31.5	20.6	29.0	21.2	18.1	14.7	18.3	23.1	22.7
Slx1b	1.3	1.4	1.2	1.1	0.9	1.4	1.2	1.4	1.1	1.2	1.2	0.9
Slx4	3.2	4.1	4.4	3.4	3.7	3.0	4.5	4.1	3.7	3.1	3.8	3.4
Slx4ip	2.5	3.3	3.0	2.9	3.0	3.0	3.2	3.0	2.9	2.5	2.9	2.5
Smad1	8.4	9.9	12.8	8.2	9.5	8.1	10.7	12.0	10.5	9.1	9.9	10.8
Smad2	8.0	8.6	8.0	7.5	7.7	7.6	8.3	7.9	8.3	6.9	8.1	7.7
Smad3	16.0	14.2	11.7	16.9	13.6	16.3	17.3	10.6	13.9	17.5	16.8	16.4
Smad4	20.1	21.7	22.2	20.8	20.3	23.6	20.6	20.5	21.6	20.2	23.9	21.6
Smad5	8.0	8.9	8.5	6.9	7.9	7.0	8.1	8.9	8.3	7.9	8.2	8.2
Smad6	35.7	47.1	53.3	27.5	31.1	26.1	43.3	38.7	48.6	33.1	34.9	45.1
Smad7	14.6	16.4	16.8	8.7	13.0	11.0	15.7	12.3	16.1	14.7	11.7	15.3
Smad9	1.4	1.7	2.1	1.1	1.0	1.8	1.2	1.0	1.1	1.4	1.3	1.3
Smagp	0.4	0.1	0.0	1.4	1.8	0.2	0.3	0.1	0.3	0.4	0.0	0.2
Smap1	28.0	25.9	23.6	28.6	22.8	27.5	23.9	24.1	21.2	23.7	28.9	26.0
Smap2	4.3	4.7	5.2	6.3	6.0	5.3	4.8	4.6	5.1	5.6	5.5	5.1
Smarca1	0.6	1.2	2.5	0.4	0.7	1.0	1.0	1.7	1.1	1.0	1.3	1.4
Smarca2	25.6	24.3	32.0	26.1	18.8	24.2	21.5	24.6	16.6	21.5	23.0	26.8
Smarca4	17.4	17.7	18.9	19.3	18.7	17.2	21.2	20.2	18.2	18.5	20.2	18.0
Smarca5	19.2	20.3	23.2	18.9	19.4	18.1	21.1	21.8	18.8	21.1	24.5	24.4
Smarca5-ps	0.6	0.4	0.4	0.7	0.6	0.5	0.5	0.5	0.3	0.5	0.4	0.7

Online Table 1

Smarcad1	7.4	8.2	8.1	6.5	7.7	7.1	7.3	8.0	7.5	8.8	8.9	9.1
Smarcal1	3.4	3.4	3.0	3.4	2.8	3.9	2.7	3.2	2.6	2.7	2.7	2.9
Smarcb1	19.5	22.4	21.9	17.3	19.5	16.8	21.2	26.0	23.7	21.7	20.4	21.9
Smarcc1	10.8	11.2	12.8	11.4	10.6	10.7	12.2	11.8	10.7	12.0	12.8	12.2
Smarcc2	31.5	32.1	38.0	39.5	28.5	36.4	36.6	35.8	29.8	28.2	34.5	35.8
Smarcd1	1.7	2.2	2.4	1.9	2.1	1.6	2.2	2.8	2.3	1.9	2.1	1.8
Smarcd2	16.5	21.4	23.7	16.2	19.3	15.8	20.2	26.5	22.0	17.1	18.4	19.1
Smarcd3	10.2	12.6	12.4	13.8	9.9	11.7	14.5	13.6	16.0	9.8	12.6	14.0
Smarce1	28.6	28.5	33.8	35.3	25.2	25.1	29.2	34.7	26.9	31.2	36.4	34.5
Smc1a	27.7	27.7	34.8	29.8	25.8	24.7	31.7	28.6	22.7	24.2	30.7	32.2
Smc1b	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1
Smc2	4.8	8.0	12.7	3.3	10.1	3.1	10.4	5.8	8.3	5.3	8.9	7.4
Smc3	14.3	17.1	20.5	12.9	14.2	12.7	17.9	17.4	15.0	15.0	19.1	17.9
Smc4	17.2	26.2	34.0	19.2	22.8	19.9	27.9	26.2	32.3	25.6	31.8	32.9
Smc5	10.6	13.7	15.2	9.7	12.4	11.2	14.3	13.5	16.3	11.7	14.5	16.3
Smc6	18.0	20.9	21.7	17.6	15.4	16.9	20.1	19.0	20.3	17.6	24.1	22.8
Smchd1	8.3	9.9	11.1	7.6	9.4	8.0	9.0	10.2	9.2	9.4	10.3	10.4
Smcr7	4.6	3.7	3.4	4.0	3.6	4.7	3.9	4.2	4.8	3.9	3.4	3.4
Smcr7l	6.1	6.1	5.2	7.1	6.4	6.0	5.8	5.6	6.7	6.0	5.9	5.7
Smcr8	6.7	7.2	7.1	8.3	9.1	7.2	7.9	7.2	7.0	7.3	7.3	7.0
Smek1	5.7	6.5	8.1	7.1	7.4	6.3	7.5	8.1	7.4	7.4	7.8	8.9
Smek2	12.3	14.4	16.9	13.5	13.1	13.7	12.0	14.9	13.6	14.2	17.0	17.3
Smg1	6.8	7.4	6.2	6.1	6.7	6.7	6.4	6.0	6.5	6.1	6.4	5.8
Smg5	18.8	17.7	14.2	22.0	17.6	20.7	23.8	18.4	19.6	15.1	20.6	17.6
Smg6	7.0	6.8	7.8	6.6	6.1	6.3	7.8	5.9	6.3	5.1	6.2	7.1
Smg7	8.8	10.1	10.4	9.9	9.2	10.0	11.5	10.0	8.5	7.4	10.6	8.9
Smg8	6.0	6.2	6.3	5.4	6.1	5.5	6.2	6.3	6.1	6.8	5.7	7.3
Smg9	3.0	3.1	2.2	4.3	4.3	2.7	4.2	3.5	3.9	3.1	3.2	3.4
Smim1	16.9	17.6	15.8	14.4	12.7	18.3	18.1	18.8	18.0	25.4	22.3	16.8
Smim11	34.5	31.7	37.8	35.9	25.6	35.1	35.3	31.1	30.0	29.7	38.8	38.7
Smim12	15.7	12.6	12.9	14.5	14.5	15.5	14.7	14.9	13.3	15.8	17.6	12.9
Smim13	5.2	5.1	4.9	5.3	5.0	5.0	4.4	5.3	5.3	4.7	5.0	5.4
Smim14	59.1	44.3	32.2	61.1	39.5	67.0	34.3	31.0	33.5	43.8	40.2	40.3
Smim15	30.2	28.7	33.4	36.2	35.9	35.0	36.6	32.5	38.3	34.9	43.3	44.4
Smim3	4.3	3.6	3.3	4.0	6.5	3.5	7.0	5.7	6.7	8.4	7.0	7.7
Smim4	14.5	9.4	9.7	11.5	12.3	11.6	7.4	6.7	9.6	14.1	5.6	8.6
Smim5	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1	0.2	0.1	0.4	0.2
Smim6	0.2	0.2	0.4	0.5	0.3	0.2	0.3	0.3	0.0	0.1	0.3	0.5
Smim7	22.8	18.7	15.6	20.3	20.4	20.2	20.0	19.1	23.1	22.1	19.3	20.0
Smim8	7.7	8.6	10.3	8.3	7.0	9.1	7.8	8.6	6.7	7.8	9.6	10.3
Smim9	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Smlr1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smn1	6.0	6.6	5.1	7.8	5.8	4.9	7.3	7.2	6.3	6.6	6.8	5.7
Smndc1	6.6	6.9	7.5	10.4	7.6	9.0	8.1	7.0	6.3	7.4	9.3	8.4
Smo	25.2	22.4	21.3	19.8	17.9	23.4	22.9	24.6	23.5	26.6	23.6	23.2
Smoc1	10.4	16.2	16.7	5.2	13.1	9.5	21.9	7.0	18.1	15.6	16.5	25.3
Smoc2	17.6	10.8	16.6	26.9	18.9	14.6	25.9	15.7	13.4	9.5	9.1	10.3
Smok4a	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smox	5.8	4.9	3.9	9.0	8.6	5.9	5.7	3.9	4.0	4.6	3.7	4.3
Smpd1	50.3	40.6	34.4	55.3	37.1	57.2	37.0	30.3	34.5	39.1	37.7	36.5
Smpd2	9.2	10.9	8.0	8.4	7.9	9.6	9.4	9.5	11.2	10.5	9.9	10.8
Smpd3	22.5	10.7	5.9	14.0	6.5	15.1	4.5	3.0	3.3	39.8	18.7	10.0
Smpd4	3.5	3.5	3.7	3.9	3.9	4.0	4.1	4.0	3.7	2.9	3.7	3.1
Smpd5	0.3	0.2	0.2	0.5	0.5	0.4	0.3	0.2	0.3	0.6	0.5	0.2
Smpdl3a	49.0	35.6	36.7	57.1	45.9	42.2	31.4	40.8	36.1	25.5	34.2	37.5
Smpdl3b	0.5	0.6	0.7	1.0	2.2	0.2	0.5	0.2	0.2	1.0	0.2	0.5
Sms	4.7	3.9	3.3	5.5	5.2	4.8	4.5	2.7	3.1	3.8	3.7	3.8

Online Table 1

Smtn	12.1	13.5	13.7	7.7	12.9	9.6	19.5	12.5	16.0	18.4	18.2	12.6
Smtnl2	0.7	2.7	4.0	0.2	0.9	0.1	1.2	5.0	2.2	0.8	0.8	1.1
Smu1	26.5	25.8	23.6	25.1	22.1	25.6	23.9	22.4	21.8	24.0	24.3	25.9
Smug1	2.1	2.1	1.8	2.2	2.2	2.1	1.8	2.1	2.2	1.9	1.9	1.6
Smurf1	16.8	17.4	15.7	16.1	18.4	18.9	24.4	17.7	19.9	14.4	18.0	17.4
Smurf2	30.5	26.8	24.2	37.3	26.7	46.4	25.3	19.5	22.0	33.3	29.0	28.0
Smyd1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1
Smyd2	31.9	27.6	23.5	35.8	27.3	31.8	26.9	25.9	25.3	25.8	28.1	26.6
Smyd3	2.4	2.2	1.9	2.6	1.7	2.9	1.3	1.8	1.5	1.7	1.9	2.0
Smyd4	2.8	2.6	2.0	2.8	2.5	3.4	2.3	1.6	2.1	2.1	2.1	2.1
Smyd5	9.1	7.2	5.2	9.8	8.9	9.3	8.6	7.4	6.2	6.5	8.3	5.8
Snai1	5.5	11.8	16.6	5.9	11.8	7.1	14.2	17.7	14.7	8.0	9.5	9.5
Snai2	2.3	4.2	7.0	2.5	4.7	4.3	4.2	6.0	4.4	3.6	4.6	4.4
Snap23	27.3	29.1	26.3	32.9	29.1	26.8	26.4	28.0	24.7	29.4	33.7	32.1
Snap29	20.6	20.4	17.9	22.0	19.4	18.2	25.5	18.6	20.2	18.1	26.0	22.9
Snap47	63.6	57.5	46.5	60.2	46.7	58.6	46.3	48.0	42.4	51.4	50.0	45.7
Snap91	0.2	0.1	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.1	0.1	0.1
Snapc1	7.6	9.4	9.3	7.9	7.9	9.5	8.6	8.9	8.8	8.5	9.4	9.5
Snapc2	10.3	10.8	9.4	8.3	9.0	10.2	10.4	9.2	11.1	11.0	10.1	9.0
Snapc3	8.8	10.1	10.9	7.8	8.0	8.1	9.7	10.3	9.8	8.7	10.2	9.9
Snapc4	2.6	2.2	2.3	3.3	2.5	2.7	2.9	2.2	2.4	2.1	2.0	1.7
Snapc5	25.8	22.5	26.3	25.1	21.7	22.8	23.0	29.1	21.6	22.6	28.1	26.6
Snopin	40.0	34.5	30.6	43.7	32.1	39.6	35.6	34.5	35.3	36.3	38.9	38.7
Snca	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sncaip	0.2	0.1	0.4	0.1	0.2	0.1	0.3	0.5	0.4	0.1	0.2	0.1
Sncg	5.5	3.7	4.1	5.8	4.6	5.9	2.0	4.8	0.8	2.2	4.0	2.7
Snd1	57.6	53.3	50.2	52.0	53.0	44.1	60.8	68.2	60.4	59.1	68.0	57.6
Sned1	0.3	0.9	1.3	0.2	0.5	0.2	1.5	1.5	2.2	2.8	2.7	2.1
Snf8	24.7	27.1	26.6	26.5	26.3	27.1	26.6	29.6	26.5	26.5	30.0	26.0
Snhg1	30.8	21.1	19.6	15.8	25.6	22.5	30.3	24.9	27.2	32.1	32.0	31.8
Snhg10	1.8	1.4	1.0	2.0	0.8	1.8	1.8	1.0	4.3	1.5	0.9	1.8
Snhg11	1.8	2.4	1.2	2.2	1.3	1.9	0.8	0.4	0.4	0.2	0.5	0.3
Snhg12	42.1	30.4	25.4	33.4	29.9	57.4	33.7	29.3	31.6	31.3	36.1	31.9
Snhg3	5.5	6.3	6.9	9.7	7.4	7.8	7.4	8.0	7.8	9.7	8.8	8.3
Snhg4	2.0	1.4	1.5	1.6	2.1	2.1	2.1	2.0	1.9	2.3	2.5	1.9
Snhg5	12.2	9.6	10.9	10.9	8.7	9.3	12.1	11.8	13.4	13.8	15.7	13.3
Snhg6	56.7	43.4	34.6	41.9	37.7	46.8	38.0	44.6	52.6	50.9	44.5	44.7
Snhg7	3.0	3.2	2.4	4.4	3.2	3.7	4.3	2.4	2.8	2.6	2.3	2.5
Snhg8	9.6	6.0	7.0	5.8	7.4	8.2	5.1	6.2	6.5	6.9	8.5	6.5
Snhg9	19.6	8.0	7.1	8.6	6.5	11.9	10.1	8.7	14.0	9.3	7.7	11.0
Snip1	8.5	7.7	7.9	8.3	8.5	6.7	7.3	8.2	9.1	10.2	9.3	8.8
Snn	11.3	7.0	5.1	12.7	8.0	10.5	9.2	6.8	7.9	11.3	11.9	9.5
Snora15	4.0	4.8	0.0	0.0	16.7	10.0	0.0	12.2	16.2	9.0	6.4	7.7
Snora16a	36.2	39.5	50.5	20.7	29.8	24.4	33.5	44.2	65.5	34.8	33.5	79.8
Snora17	56.3	34.3	51.5	20.4	65.5	27.7	42.1	54.5	58.4	54.2	41.5	50.4
Snora21	21.6	21.2	33.4	6.6	53.3	3.2	12.1	13.0	87.2	47.9	28.8	47.3
Snora23	34.1	37.1	44.4	18.8	43.6	20.9	34.7	35.8	51.0	60.7	37.7	63.5
Snora24	0.0	27.6	19.1	3.6	13.0	0.0	0.0	14.0	51.6	13.7	1.5	0.0
Snora26	43.4	48.8	71.5	3.1	40.7	6.9	17.7	44.2	102.1	55.1	3.0	54.9
Snora28	61.3	102.2	133.7	29.5	186.0	61.4	115.8	120.0	201.6	127.8	51.5	130.4
Snora3	16.8	36.9	13.9	26.2	45.5	21.3	20.0	24.3	20.6	3.8	48.3	42.9
Snora30	12.2	22.5	9.7	38.0	34.9	15.3	5.8	6.2	43.0	13.8	20.0	58.1
Snora31	4.8	11.6	0.0	0.0	23.7	12.0	4.6	4.9	19.3	10.8	0.0	45.9
Snora33	20.4	16.7	26.8	25.2	16.6	25.5	6.4	0.0	20.4	15.4	22.4	32.2
Snora34	62.0	53.4	12.0	0.0	39.9	23.1	18.0	22.5	70.8	70.1	11.7	10.7
Snora43	7.0	4.2	9.0	2.4	4.6	6.7	10.8	11.1	10.9	15.9	0.0	1.8
Snora44	60.9	111.4	153.0	39.3	96.0	48.2	60.0	105.5	108.7	180.6	146.3	133.7

Online Table 1

Snora47	0.0	0.0	0.0	0.0	6.8	3.4	7.3	6.3	19.2	0.0	0.0	2.7
Snora52	6.1	12.4	19.0	2.7	14.1	5.2	8.4	6.4	4.2	11.6	9.7	10.3
Snora5c	17.1	21.0	33.2	20.7	34.1	10.6	7.9	77.1	25.5	58.0	0.0	40.1
Snora62	19.9	18.1	27.2	9.9	29.8	9.5	25.2	20.7	23.1	14.1	15.8	37.3
Snora64	15.2	9.3	20.3	4.9	22.4	28.9	18.8	7.8	38.8	64.5	18.3	18.6
Snora65	0.0	4.4	0.0	0.0	3.1	4.6	7.2	7.5	7.4	4.1	5.8	0.0
Snora68	132.7	101.0	62.7	0.0	112.9	114.2	56.2	91.9	182.4	138.9	17.4	85.7
Snora69	0.0	7.6	0.0	0.0	5.3	7.9	0.0	3.2	6.4	10.5	0.0	0.0
Snora70	24.0	73.0	54.6	22.4	84.5	30.6	56.1	40.1	173.4	89.8	76.4	72.3
Snora74a	932.0	947.3	859.3	582.1	1101.6	831.7	622.4	881.0	1352.6	1047.6	586.4	773.5
Snora78	410.4	359.2	244.2	211.6	312.5	226.6	196.9	210.9	451.3	423.4	147.1	195.7
Snora7a	834.0	983.8	1207.7	498.5	1200.2	617.8	699.9	936.8	1749.3	1333.6	504.4	966.0
Snora81	13.1	30.9	31.6	5.3	35.9	24.2	38.3	33.1	49.6	47.8	47.5	42.5
Snord100	751.9	161.5	336.8	265.1	340.8	308.2	203.6	612.0	1227.5	734.3	0.0	231.2
Snord104	1494.2	1733.6	2058.4	1309.3	2392.6	1136.3	1416.3	3215.4	3052.0	2499.2	1433.1	3083.9
Snord110	2211.4	0.0	1436.0	454.3	2588.7	0.0	0.0	1680.3	4040.0	1508.8	0.0	3630.5
Snord116	1.7	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.7	1.9	0.0	1.9
Snord12	483.5	623.8	321.9	0.0	650.0	0.0	0.0	941.0	792.6	1130.7	0.0	1486.2
Snord15a	202.0	216.7	230.7	88.4	228.3	136.3	146.0	196.2	413.5	235.4	166.3	263.5
Snord15b	665.0	1047.5	960.2	251.2	899.4	538.6	550.7	707.0	1470.9	1088.2	739.5	1148.9
Snord16a	330.5	117.8	117.8	165.6	386.9	77.8	183.0	156.5	449.3	538.8	56.5	233.1
Snord17	449.8	372.3	342.8	335.5	466.2	368.2	289.1	404.1	731.6	537.0	332.6	378.0
Snord1c	87.0	0.0	92.2	0.0	62.7	0.0	36.9	42.9	127.1	202.3	0.0	0.0
Snord22	1253.3	1601.5	1098.0	427.0	1388.3	689.5	584.6	921.3	2780.0	2068.0	888.4	1750.7
Snord32a	1401.9	1437.3	1267.5	1123.6	1809.1	697.7	1346.9	1516.8	2605.0	2241.5	932.7	1999.2
Snord33	337.8	504.8	486.2	242.2	633.0	0.0	397.1	516.0	1229.0	922.9	242.1	565.9
Snord34	967.0	831.8	858.4	0.0	1733.4	198.4	1039.7	784.2	2536.2	753.8	0.0	743.1
Snord35a	451.1	586.7	308.0	41.9	686.9	244.9	176.1	286.7	737.2	701.8	197.8	383.5
Snord35b	22.4	0.0	0.0	0.0	67.4	82.9	0.0	0.0	22.0	0.0	0.0	0.0
Snord47	0.0	949.1	731.2	0.0	368.8	1586.0	0.0	1606.6	5441.2	4077.1	3727.6	2881.1
Snord49a	2520.8	5773.5	2750.2	0.0	5349.6	346.4	1339.4	4848.5	7547.0	5176.8	2955.0	3856.0
Snord49b	6303.1	8126.3	6160.1	4534.7	10908.6	1796.5	2518.4	9124.3	21914.8	11248.3	2526.6	9807.5
Snord55	173.9	221.4	122.9	48.1	658.0	53.4	147.4	128.7	508.3	455.3	180.8	160.3
Snord57	242.4	312.6	955.9	0.0	1123.0	0.0	774.9	1169.8	2408.2	1687.3	1263.3	1337.4
Snord67	0.0	63.1	7.8	0.0	8.1	0.0	0.0	10.2	0.0	11.6	17.4	9.5
Snord8	0.0	59.5	29.7	11.6	68.7	0.0	17.7	0.0	19.1	65.4	16.4	63.0
Snord82	751.9	2261.4	926.2	0.0	1022.6	0.0	101.8	1224.0	2700.4	1174.9	606.6	2196.5
Snord83b	2768.3	1946.9	2415.6	789.1	2975.9	1113.8	1289.1	2493.3	5439.1	3447.7	1207.6	2023.8
Snord87	0.0	82.1	133.2	0.0	0.0	0.0	0.0	63.1	249.9	375.1	141.3	0.0
Snord89	142.7	193.4	157.1	122.7	423.8	0.0	58.7	206.9	371.6	221.4	91.0	349.3
Snord95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	122.4	245.5	0.0	0.0	0.0
Snord99	0.0	1848.4	471.6	0.0	0.0	0.0	573.7	0.0	0.0	1619.3	0.0	657.8
Snph	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Snrk	10.2	10.8	10.5	8.7	9.2	9.6	9.8	10.7	11.7	9.7	9.9	10.8
Snrnp200	22.1	21.5	21.7	23.1	21.8	23.9	20.8	21.9	18.3	20.8	21.2	20.6
Snrnp25	11.8	13.2	8.4	13.0	8.7	12.6	10.6	10.2	9.6	6.4	8.7	7.9
Snrnp27	52.7	40.5	45.9	60.9	38.9	56.1	41.1	42.1	34.2	41.9	50.3	50.9
Snrnp35	4.1	3.9	4.0	5.2	3.4	4.2	3.8	3.8	4.4	4.1	4.0	4.4
Snrnp40	10.0	10.4	11.2	8.0	10.0	7.8	10.5	12.4	10.7	10.2	11.7	10.3
Snrnp48	12.2	11.8	12.7	10.7	10.5	12.0	9.4	10.4	9.7	13.2	14.1	13.2
Snrnp70	49.8	53.1	64.6	59.4	55.0	50.8	75.4	64.2	57.3	53.1	65.3	58.1
Snrpa	20.4	20.9	21.1	23.8	21.5	23.3	19.6	24.0	19.8	22.3	21.7	18.7
Snrpa1	23.7	18.7	16.7	30.1	21.1	22.5	25.1	14.2	15.6	16.1	18.2	15.5
Snrpb	74.6	74.1	60.0	64.2	72.8	63.2	67.5	62.5	76.5	78.2	61.9	57.6
Snrpb2	20.6	21.5	21.0	23.9	21.8	23.0	20.8	20.3	19.7	27.2	21.9	24.1
Snrpc	32.0	32.7	31.4	36.7	32.4	35.9	34.7	32.5	32.5	33.8	33.7	30.2
Snrpd1	34.9	32.9	38.8	35.6	31.0	34.0	35.3	32.7	29.5	41.1	46.0	40.6

Online Table 1

Snrpd2	114.2	100.6	77.0	106.4	88.4	105.3	88.1	97.2	82.8	87.0	87.2	78.6
Snrpd3	30.4	29.4	30.6	34.0	35.2	34.2	28.4	33.4	24.6	31.8	34.6	39.7
Snrpe	89.2	84.2	66.7	74.7	89.8	75.3	61.4	74.4	79.2	92.1	76.6	68.2
Snrpf	22.6	18.5	21.5	23.5	19.2	22.3	22.6	25.9	18.1	21.5	25.2	25.6
Snrpg	99.4	83.3	82.1	79.5	83.1	77.1	68.0	78.7	79.8	89.3	92.1	71.0
Snrpn	13.5	10.0	8.6	12.5	8.5	12.6	10.1	8.2	8.4	8.2	11.2	8.8
Snta1	6.8	7.3	6.3	4.4	4.4	5.0	5.8	6.6	11.4	12.5	8.9	10.0
Sntb1	0.4	0.7	1.5	0.1	0.9	0.3	0.7	2.1	1.0	0.3	0.5	1.0
Sntb2	15.3	18.7	18.1	13.1	14.9	12.7	13.6	13.2	12.6	18.6	13.2	15.9
Sntg1	0.4	0.2	0.0	0.8	0.1	0.4	0.1	0.0	0.1	0.1	0.1	0.0
Sntg2	0.6	0.6	0.9	0.1	0.0	0.1	0.0	0.5	0.2	0.3	0.3	0.4
Snupn	10.4	9.7	8.8	10.9	9.2	10.0	7.3	7.3	7.6	12.2	10.5	10.1
Snurf	0.9	0.7	0.6	1.0	0.5	0.8	0.7	0.7	0.6	0.8	1.2	0.8
Snw1	53.5	48.4	51.0	59.7	39.3	52.8	38.7	38.9	32.5	40.7	43.4	45.8
Snx1	48.3	51.2	48.5	61.3	55.2	51.8	49.6	49.4	48.6	50.1	55.4	55.7
Snx10	25.4	20.2	19.5	28.6	25.5	22.5	19.4	19.8	17.6	22.6	26.9	21.5
Snx11	9.4	8.8	6.9	8.9	9.1	9.8	9.4	7.4	9.4	7.3	8.3	8.0
Snx12	24.5	24.2	22.3	24.1	22.8	24.7	23.7	23.8	23.8	23.1	24.8	26.6
Snx13	10.4	11.7	12.2	10.8	10.8	10.6	11.0	11.2	12.9	11.7	13.1	14.8
Snx14	17.5	19.6	18.6	15.5	17.3	16.5	18.3	18.0	19.6	18.7	20.0	19.9
Snx15	7.2	8.0	7.0	9.5	8.4	8.6	7.5	8.3	8.3	7.2	7.0	5.6
Snx16	4.6	5.0	4.3	5.3	4.0	5.8	3.5	3.5	3.5	4.9	5.4	4.3
Snx17	32.2	30.6	25.2	32.3	28.6	32.2	25.2	27.8	27.8	28.4	25.6	25.2
Snx18	33.0	31.1	29.7	29.3	32.1	30.7	33.4	27.7	27.9	28.5	31.5	31.8
Snx19	12.0	11.8	11.8	11.7	10.9	11.0	12.6	11.9	12.2	11.1	10.8	11.8
Snx2	43.9	37.8	37.0	45.9	40.9	37.6	36.3	35.2	31.6	37.7	41.6	41.1
Snx20	0.6	0.1	0.1	4.9	8.3	0.1	0.7	0.1	0.1	1.0	0.2	0.7
Snx21	9.3	9.4	8.5	9.2	7.3	10.3	8.6	9.6	10.1	9.3	8.9	8.6
Snx22	38.5	32.7	33.2	38.8	30.6	31.9	29.6	34.5	33.0	33.1	33.3	36.7
Snx24	11.4	10.4	8.3	9.8	9.4	11.3	9.2	8.4	9.0	10.8	9.7	8.6
Snx25	9.4	12.8	9.8	8.0	9.3	11.1	10.5	8.6	10.9	8.0	9.6	10.0
Snx27	8.1	8.4	8.0	7.4	8.2	7.7	7.6	7.2	7.5	7.6	7.4	6.5
Snx29	1.8	2.0	1.9	3.1	2.4	2.1	1.5	1.9	1.9	2.6	2.3	2.1
Snx3	65.5	59.9	53.5	73.0	60.5	66.9	63.4	57.1	53.8	61.6	65.5	63.0
Snx30	7.6	6.8	5.1	9.4	7.6	7.8	6.7	4.2	6.8	6.7	6.3	6.0
Snx31	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
Snx32	7.0	6.6	6.6	6.9	4.9	9.4	4.6	5.3	5.1	5.7	5.6	6.0
Snx33	13.8	14.2	14.0	13.2	11.4	13.4	12.0	13.4	12.9	14.4	13.4	13.3
Snx4	36.7	35.4	40.4	41.0	35.1	37.1	39.8	40.6	37.0	35.7	45.9	41.8
Snx5	39.0	29.9	26.9	36.6	34.8	36.8	24.3	33.7	27.1	32.4	34.5	31.5
Snx6	34.9	35.8	34.5	36.3	35.3	37.1	33.1	33.3	36.3	38.2	39.1	36.0
Snx7	31.5	28.2	31.3	24.7	28.5	19.8	38.9	31.1	38.9	44.8	54.0	41.6
Snx8	6.8	6.2	4.3	10.0	7.5	6.4	5.6	4.9	5.0	5.2	4.8	5.0
Snx9	48.6	41.4	42.9	48.6	42.2	56.4	54.3	41.5	45.7	53.5	46.8	54.9
Soat1	13.6	14.3	17.0	17.0	20.2	15.2	18.0	14.3	15.3	23.7	19.0	19.6
Soat2	0.3	0.1	0.1	0.3	0.2	0.6	0.2	0.6	0.2	0.1	0.2	0.1
Sobp	0.8	1.3	1.2	0.8	1.1	0.8	1.1	1.0	1.0	0.6	0.7	0.9
Socs1	0.6	0.5	0.6	0.3	0.5	0.4	0.5	1.1	1.1	0.6	0.3	0.6
Socs2	17.4	20.3	22.8	14.4	15.1	16.9	16.9	20.4	16.7	15.0	12.0	19.8
Socs3	5.2	12.4	19.1	3.8	10.7	2.0	12.6	24.9	17.9	17.9	11.9	16.2
Socs4	8.2	7.5	7.4	7.6	8.1	7.1	7.8	6.7	6.4	5.9	7.6	7.3
Socs5	22.2	24.7	24.7	15.8	22.2	17.8	21.1	20.9	23.9	26.8	23.7	28.4
Socs6	7.8	7.4	6.2	8.9	7.3	9.1	6.7	6.7	7.1	7.5	8.0	7.3
Socs7	3.6	3.2	2.6	3.7	3.1	3.4	2.9	2.1	2.6	3.5	3.2	3.0
Sod1	361.3	292.9	262.8	361.2	284.2	384.5	267.4	254.1	242.5	340.8	295.8	289.5
Sod2	21.1	18.7	27.7	22.9	35.1	16.2	27.2	25.9	20.4	18.3	19.3	20.6
Sod3	66.8	63.2	96.6	107.5	81.8	52.7	98.1	90.2	69.8	45.2	43.2	68.5

Online Table 1

Soga2	1.0	1.0	0.7	1.1	0.8	1.2	0.8	0.6	0.7	0.8	0.7	0.6
Soga3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Sohlh2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Solh	0.9	1.2	1.2	1.2	1.6	1.2	1.6	1.6	1.6	1.3	1.1	1.0
Son	35.5	39.3	38.5	34.1	37.1	33.3	34.8	38.2	38.9	38.4	38.4	40.3
Sorbs1	10.8	12.7	12.0	11.9	10.3	14.0	16.0	9.0	18.4	11.6	15.7	14.5
Sorbs2	11.1	11.6	12.0	16.3	9.9	20.0	8.7	6.4	7.6	2.4	5.5	6.1
Sorbs3	12.7	17.9	17.2	10.2	8.7	11.1	15.3	15.0	12.1	17.5	15.8	13.9
Sorcs1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.5	0.2	0.1
Sorcs2	0.2	0.2	0.3	0.1	0.3	0.2	0.3	1.1	0.6	1.4	1.2	0.7
Sorcs3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sord	9.7	11.6	12.5	7.8	8.5	11.8	5.1	14.0	8.3	8.3	10.0	8.6
Sorl1	0.4	0.3	0.4	1.0	2.4	0.4	0.3	0.2	0.2	0.3	0.2	0.3
Sort1	2.3	1.7	1.5	1.5	1.1	2.2	0.6	1.5	1.1	3.5	1.9	1.2
Sos1	2.8	3.7	3.7	3.3	3.0	3.6	3.2	2.8	3.0	2.8	3.4	3.1
Sos2	6.0	6.9	6.1	6.1	6.0	6.2	6.3	5.2	6.1	5.5	6.5	6.6
Sost	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sowahb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sowahc	1.9	2.2	3.1	2.3	2.6	2.4	2.6	2.5	2.1	2.9	2.6	2.9
Sowahd	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.4	0.4	0.4	0.5	0.1
Sox10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sox11	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.7	1.0	0.4
Sox12	1.0	1.2	1.6	1.0	1.0	0.8	1.4	2.1	1.9	1.7	1.4	1.2
Sox13	1.2	1.5	1.4	0.8	1.0	1.3	1.1	1.1	1.3	0.9	1.0	0.9
Sox15	0.4	0.1	1.2	0.1	1.1	0.1	0.0	0.3	0.1	1.6	0.0	1.1
Sox17	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.1	0.0
Sox18	0.3	0.0	0.2	0.1	0.0	0.1	0.2	0.4	0.4	0.1	0.2	0.2
Sox21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sox2ot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sox30	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Sox4	23.8	18.4	17.3	25.6	14.2	23.5	13.4	16.1	14.5	24.7	17.8	16.7
Sox5	1.8	2.4	2.9	1.7	2.3	1.9	2.3	2.3	2.5	1.9	2.0	2.3
Sox6	0.6	0.3	0.5	0.1	0.1	0.1	0.2	0.5	0.2	0.5	0.4	0.4
Sox7	0.3	0.2	0.3	0.4	0.4	0.2	0.2	0.2	0.3	0.1	0.1	0.1
Sox8	0.5	0.3	0.5	0.5	0.4	0.4	0.2	0.6	0.4	0.5	0.7	0.4
Sox9	3.0	4.6	6.3	3.5	5.6	3.2	8.8	8.4	6.5	3.6	5.0	4.2
Sp1	5.5	6.8	7.4	5.4	6.9	7.0	6.7	8.2	7.3	7.7	8.0	7.8
Sp100	17.3	17.7	23.8	31.3	22.9	21.7	16.8	14.0	14.5	15.0	14.5	20.7
Sp110	7.8	7.5	9.9	14.5	10.9	8.2	8.5	6.0	6.1	6.3	5.7	8.9
Sp140	5.8	6.4	8.2	4.7	6.6	4.7	4.0	4.9	4.3	4.8	4.6	6.0
Sp2	0.3	0.5	0.5	0.6	0.7	0.5	0.9	0.8	0.7	0.5	0.5	0.4
Sp3	23.3	28.0	38.5	23.7	23.1	22.0	24.5	35.2	27.8	28.3	30.5	34.4
Sp4	1.1	1.4	1.7	1.2	1.2	1.0	1.1	1.5	1.2	1.2	1.3	1.5
Sp6	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.2	0.1	0.1	0.2
Sp7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sp9	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0
Spa17	2.0	1.7	2.6	3.4	1.3	3.1	1.7	1.9	1.2	0.9	0.7	2.7
Spaca1	3.9	1.7	1.9	1.3	1.3	1.8	2.5	0.7	1.2	1.3	2.5	2.3
Spaca4	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
Spag1	1.0	1.3	1.2	0.9	1.2	0.9	0.9	1.0	0.9	0.8	0.8	1.0
Spag17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spag4	1.7	1.3	1.4	1.3	1.3	2.1	1.5	0.7	1.8	1.1	1.4	0.8
Spag5	1.6	2.6	4.2	0.7	3.9	0.6	4.7	1.7	3.8	2.1	3.3	2.6
Spag7	27.1	25.9	30.1	33.2	24.1	26.4	37.8	35.3	31.0	28.6	33.9	31.5
Spag8	0.1	0.0	0.0	0.2	0.0	0.1	0.1	0.1	0.1	0.0	0.2	0.0
Spag9	35.6	31.6	30.8	33.9	30.6	34.4	31.5	32.2	30.9	28.6	34.3	32.5
Sparc	2867.6	2556.9	2779.0	2529.8	2068.2	2430.0	2233.5	3049.5	2577.1	2828.8	2747.2	2734.5

Online Table 1

Sparc1	1.9	1.6	5.3	0.5	0.7	0.4	2.5	4.4	3.6	0.4	0.7	0.7
Spast	7.6	8.1	7.8	7.8	7.1	8.3	7.1	7.7	7.3	7.6	8.5	8.1
Spata1	1.3	1.0	1.4	1.7	0.9	1.8	1.4	0.9	1.3	1.0	1.8	1.2
Spata13	2.0	1.1	0.9	2.5	2.4	1.8	1.7	1.3	1.3	1.7	1.8	1.5
Spata17	0.2	0.3	0.1	0.3	0.0	0.6	0.2	0.2	0.1	0.1	0.1	0.2
Spata18	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spata2	2.4	2.8	2.7	1.8	3.0	2.5	3.0	3.0	2.9	2.2	2.8	2.1
Spata20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spata24	4.2	3.2	5.1	2.5	3.1	4.6	3.9	4.5	4.2	2.4	3.3	2.6
Spata25	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1
Spata2l	0.5	0.5	0.8	0.5	0.8	0.9	0.7	0.8	0.7	0.8	0.4	0.5
Spata31d1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spata4	0.2	0.1	0.2	0.5	0.0	0.2	0.2	0.1	0.1	0.1	0.2	0.1
Spata5	11.6	14.8	14.3	11.3	12.1	8.3	13.5	14.4	16.3	11.1	13.1	14.5
Spata5l1	1.2	1.3	1.4	0.8	1.2	1.7	1.3	1.2	1.3	1.8	0.8	1.2
Spata6	14.0	16.2	14.1	15.5	13.0	17.6	14.8	14.2	12.7	10.9	14.1	12.2
Spata7	2.7	2.8	3.6	3.0	2.5	4.3	2.7	2.9	2.6	2.0	2.6	3.0
Spata9	0.2	0.3	0.5	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.1
Spatc1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spatc1l	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spats1	0.4	0.1	0.4	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.2	0.1
Spats2	8.6	9.9	9.7	8.5	9.4	8.0	9.1	9.6	9.6	9.4	10.5	10.9
Spats2l	1.9	2.3	2.8	1.8	1.8	1.6	2.0	2.3	2.1	2.9	3.0	2.5
Spc24	1.1	2.0	3.4	0.5	3.1	0.5	4.5	2.1	3.9	1.3	2.4	2.2
Spc25	7.8	11.8	16.8	6.8	16.2	5.9	15.7	5.9	12.2	9.4	12.2	8.8
Spcs1	110.1	94.2	85.1	125.8	104.1	119.8	96.6	98.9	106.3	125.1	103.6	113.0
Spcs2	26.7	25.5	23.6	30.6	26.1	26.1	24.4	27.6	27.8	29.8	29.3	29.5
Spcs3	27.8	23.1	25.4	24.8	26.0	22.1	23.4	24.0	26.1	23.5	25.0	29.6
Spdef	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spdl1	1.4	2.1	3.6	1.7	3.3	1.1	4.0	2.0	3.2	1.5	2.4	2.3
Spdya	0.1	0.1	0.2	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0
Specc1	7.7	11.8	13.1	7.8	12.8	5.2	10.9	11.9	17.4	9.8	9.1	17.7
Specc1l	21.4	22.3	24.2	21.4	21.0	22.1	25.9	24.0	23.9	18.8	23.7	25.0
Speer1-ps1	0.1	0.0	0.0	0.1	0.2	0.0	0.1	0.2	0.0	0.0	0.0	0.0
Speer3	1.4	0.9	0.6	0.8	0.3	0.3	0.7	0.5	0.4	1.0	1.1	0.6
Speer4a	0.3	0.1	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.2	0.1
Speer4b	0.2	0.1	0.4	0.0	0.2	0.1	0.0	0.1	0.2	0.2	0.3	0.2
Speer4f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Speer7-ps1	0.2	0.5	0.5	0.0	0.0	0.1	0.1	0.2	0.0	0.2	0.1	0.0
Speer8-ps1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Spf1	1.4	1.2	1.0	1.0	1.3	2.1	1.1	1.2	1.4	1.3	1.3	0.9
Spf2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Speg	3.0	2.5	2.6	7.0	8.4	2.6	3.1	2.9	3.7	6.2	4.3	4.3
Spfen	1.0	1.6	1.9	1.2	1.6	1.2	2.0	1.4	1.6	1.3	1.3	1.3
Spg11	10.5	9.7	8.8	10.7	9.3	11.8	7.5	9.2	8.0	8.5	9.2	8.9
Spg20	36.1	33.7	29.6	46.5	27.9	40.5	35.0	29.3	32.2	28.6	34.6	35.9
Spg21	29.4	20.3	18.5	29.3	21.6	29.7	21.4	21.4	20.7	24.2	22.7	23.2
Spg7	24.8	19.5	17.6	27.7	21.6	24.3	21.6	20.8	20.6	22.9	22.7	21.8
Sphk1	7.0	7.4	6.7	7.9	11.0	7.7	10.6	7.9	7.7	9.0	6.1	8.4
Sphk2	7.4	8.5	9.3	8.2	6.7	9.3	7.3	8.1	7.2	6.8	6.7	6.9
Sphkap	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spib	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Spic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spice1	1.6	2.3	2.1	1.5	1.7	2.2	1.8	2.2	1.9	1.9	2.6	1.6
Spin1	28.2	25.3	28.2	21.9	25.5	23.4	27.8	28.9	28.2	30.8	29.3	32.7
Spin2	1.2	1.2	2.0	1.2	1.0	1.4	1.4	1.2	0.9	1.1	1.6	1.3
Spin4	0.5	0.7	1.0	0.4	0.6	0.6	0.8	0.9	0.8	0.9	0.7	1.1

Online Table 1

Spink10	0.3	0.3	0.6	0.1	0.3	0.4	0.2	0.1	0.1	0.2	0.3	0.2
Spink2	0.1	0.3	0.5	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.5
Spink5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spink8	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0
Spint1	0.2	0.1	0.1	0.3	0.5	0.1	0.1	0.1	0.1	0.4	0.1	0.1
Spint2	1.0	0.4	0.2	0.5	0.2	1.1	0.3	0.5	0.5	1.4	1.5	0.5
Spint4	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0
Spire1	7.7	5.3	3.3	7.3	4.6	8.1	4.4	3.0	3.0	5.1	5.5	4.3
Spire2	1.0	0.6	0.6	1.3	0.8	0.7	1.4	2.3	2.2	2.1	1.5	1.3
Spn	1.5	0.2	0.4	8.4	28.4	0.1	5.6	0.3	1.3	2.9	1.2	3.5
Spns1	11.7	11.0	9.4	11.6	11.8	12.0	10.1	10.1	10.9	11.1	8.1	9.3
Spns2	1.7	3.3	3.8	2.5	2.3	3.0	1.4	1.5	1.6	0.7	0.5	0.8
Spns3	0.3	0.2	0.2	0.5	0.4	0.6	0.2	0.4	0.3	0.0	0.1	0.2
Spock2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1
Spock3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spon1	0.5	0.7	2.0	0.5	0.5	0.2	0.8	1.6	0.4	0.5	0.4	0.7
Spon2	8.0	6.2	4.3	6.4	5.5	4.5	6.0	4.5	4.6	3.7	4.5	2.1
Spop	24.7	23.6	22.8	27.3	25.4	25.2	23.0	21.2	19.1	21.8	22.1	22.1
Spopl	7.3	6.5	6.2	7.1	6.4	7.9	6.1	5.5	6.1	6.1	6.6	5.9
Spp1	71.0	1.2	3.7	445.6	485.5	1.0	35.5	12.0	9.9	50.8	23.0	47.4
Sppl2a	16.8	16.2	16.7	22.6	22.2	21.6	18.3	16.1	16.7	17.1	19.7	18.1
Sppl2b	4.1	4.0	3.6	4.3	4.7	3.7	5.1	5.3	4.7	4.7	4.4	3.2
Sppl3	9.5	10.2	9.3	9.5	10.7	10.8	11.3	10.7	12.6	11.0	10.4	10.0
Spr	21.0	16.4	13.1	20.9	19.9	20.9	16.8	13.4	16.8	19.9	16.2	15.4
Spred1	18.3	21.5	20.4	20.1	24.7	20.7	21.7	16.7	23.2	27.3	22.1	22.9
Spred2	2.1	2.7	2.3	2.9	2.7	2.9	2.2	1.8	1.6	2.4	2.3	1.8
Spred3	2.1	2.1	1.7	2.4	2.3	2.1	1.8	1.3	1.4	1.8	1.4	1.4
Sprn	0.1	0.3	0.6	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.2
Sprr1a	0.2	0.1	0.5	0.3	0.4	0.2	0.4	0.7	0.3	0.4	0.2	0.1
Sprr2a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sprr2a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sprr3	0.7	0.2	0.1	0.9	0.4	0.2	0.7	0.0	0.5	0.6	0.4	0.3
Sprtn	7.6	7.7	7.6	7.5	6.7	6.7	8.1	6.8	7.1	6.9	8.4	7.7
Spry1	15.2	25.2	30.1	19.2	21.5	15.6	26.7	32.7	39.6	20.9	22.7	26.6
Spry2	12.8	14.6	17.9	11.4	12.8	8.1	15.0	12.2	14.5	17.5	14.7	17.6
Spry4	1.9	2.2	2.2	1.7	2.3	1.8	2.0	1.5	1.6	3.3	1.8	1.6
Spryd3	13.7	13.2	10.6	13.8	13.7	14.1	13.1	13.7	14.0	13.3	14.3	14.7
Spryd4	5.5	5.7	3.8	5.1	5.2	6.1	5.2	4.5	5.5	5.0	5.9	5.6
Spryd7	12.8	11.0	11.2	11.3	11.9	10.8	12.6	12.8	10.8	11.3	12.2	14.0
Spsb1	7.7	9.6	12.3	6.6	10.3	5.6	9.7	12.0	8.9	14.6	10.9	11.6
Spsb2	6.7	6.4	6.2	5.4	6.6	6.2	6.1	5.7	6.7	9.1	5.6	6.8
Spsb3	12.0	12.5	11.5	12.1	11.8	13.5	13.4	12.4	13.5	12.3	11.8	11.9
Spsb4	0.2	0.2	0.1	0.1	0.3	0.1	0.5	0.1	0.3	0.3	0.2	0.0
Spta1	8.1	6.7	6.2	8.5	6.8	8.7	6.5	8.8	4.7	2.8	5.1	3.3
Sptan1	170.8	144.2	122.2	153.5	131.3	146.7	155.9	172.8	147.1	134.2	174.5	145.9
Sptb	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
Sptbn1	341.6	269.8	256.3	324.5	249.1	319.0	287.8	269.2	247.5	217.9	296.6	274.6
Sptbn2	0.6	0.5	0.5	1.2	0.9	0.8	1.2	0.7	0.7	0.5	0.5	0.4
Sptbn4	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Sptlc1	19.3	15.1	14.0	20.0	17.5	15.9	17.7	16.3	17.8	18.7	18.9	16.9
Sptlc2	23.1	26.0	23.4	23.1	26.6	17.6	25.5	28.5	27.4	31.2	29.3	26.0
Sptssa	15.6	15.1	15.8	17.8	18.1	18.0	15.1	15.9	16.7	16.3	16.6	17.6
Spty2d1	8.0	7.9	8.1	8.2	8.0	7.2	8.1	7.8	7.1	7.7	8.0	8.1
Sqle	16.9	18.9	19.0	6.8	14.7	9.5	35.7	40.1	34.1	15.8	36.4	16.4
Sqrdl	45.9	36.2	28.2	46.1	35.1	45.8	30.3	28.2	23.4	27.1	26.9	27.1
Sqstm1	546.4	377.7	243.2	809.2	455.8	786.9	326.3	263.0	258.9	365.3	339.9	333.0
Sra1	79.4	82.3	74.9	65.2	63.5	68.6	64.2	77.0	68.2	74.6	73.0	78.6

Online Table 1

Srbd1	5.2	5.3	6.3	5.6	5.5	5.4	5.0	5.9	5.0	5.6	5.8	6.2
Src	10.8	12.1	13.2	9.2	10.6	11.3	12.4	12.0	12.6	12.1	12.0	10.9
Srcin1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Srcrb4d	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.5	0.3	0.3	0.5	0.4
Srd5a1	0.7	0.6	0.6	0.6	0.7	0.8	0.6	0.6	0.6	0.7	0.6	0.5
Srd5a3	12.6	11.1	8.8	13.2	10.5	13.8	8.6	9.3	9.8	10.3	8.1	10.2
Srebf1	12.1	16.3	15.0	11.1	13.6	15.4	19.3	19.4	21.3	12.8	13.4	11.7
Srebf2	7.8	10.5	12.3	5.6	10.4	6.9	17.0	19.3	17.0	9.2	12.9	8.6
Srek1	8.8	11.0	12.5	9.8	9.1	8.6	10.1	10.9	7.9	8.6	12.0	11.2
Srek1ip1	6.0	6.7	8.4	7.6	6.4	7.2	6.7	8.1	7.3	8.9	9.6	10.1
Srf	8.0	7.5	7.0	8.4	8.0	5.4	10.3	6.8	9.4	8.5	9.4	7.5
Srfbp1	11.2	11.4	9.4	12.0	8.9	9.6	8.9	9.6	8.9	9.4	11.0	11.4
Srgap1	0.5	0.6	0.7	0.3	0.5	0.4	0.5	0.7	0.5	0.7	0.6	0.5
Srgap2	7.2	9.4	8.9	5.7	7.1	6.0	7.5	9.6	9.0	7.7	9.0	7.5
Srgap3	4.8	6.2	4.7	6.4	5.1	9.0	4.1	2.9	2.3	3.5	3.9	3.2
Srgn	1.4	0.8	1.4	7.6	18.8	0.3	2.0	0.6	0.6	1.7	0.6	1.2
Sri	33.9	33.7	36.8	42.0	35.6	36.5	38.8	36.6	35.7	32.3	37.6	38.4
Srl	0.4	0.5	0.5	0.3	0.4	0.4	0.2	0.5	0.4	0.3	0.3	0.2
Srm	32.7	28.9	24.8	31.3	27.3	28.2	32.3	31.9	28.1	30.9	33.6	24.1
Srms	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Srp14	196.0	153.2	138.6	223.0	159.2	206.9	144.3	145.4	138.3	170.7	173.0	175.3
Srp19	60.9	51.0	62.5	72.0	56.7	57.5	64.3	60.4	48.2	56.1	65.0	70.5
Srp54a	43.2	40.1	44.8	46.1	41.7	43.7	50.0	43.7	45.1	42.3	51.7	58.0
Srp54b	30.3	24.9	29.3	29.0	28.5	28.8	30.7	27.0	30.5	28.6	31.1	35.3
Srp54c	45.1	44.2	51.6	50.5	49.9	41.9	64.8	50.6	48.0	42.6	62.0	61.7
Srp68	17.7	20.4	21.2	19.4	17.4	19.5	18.1	21.4	17.4	19.6	19.2	20.0
Srp72	41.2	37.4	36.4	38.0	37.4	37.4	33.6	38.2	32.1	41.0	42.1	38.1
Srp9	76.7	54.5	48.2	69.4	56.1	61.7	53.8	51.5	51.0	61.8	62.7	60.0
Srpk1	21.3	20.8	20.6	20.2	19.1	21.6	23.0	21.8	19.1	20.3	24.0	21.2
Srpk2	11.3	10.4	11.0	12.4	9.6	11.9	10.2	8.9	8.3	10.3	10.6	11.6
Srpk3	0.0	0.0	0.0	0.1	0.5	0.1	0.1	0.0	0.1	0.0	0.0	0.0
Srpr	51.5	46.1	43.4	55.9	46.3	46.8	49.2	47.3	46.0	47.7	49.7	49.3
Srprb	22.6	19.8	17.3	27.4	18.6	20.3	23.9	22.6	20.8	20.7	23.2	21.6
Srpx	0.7	2.8	4.9	0.6	1.1	0.4	1.2	2.9	3.8	11.3	7.3	4.1
Srpx2	39.2	49.8	60.8	76.7	66.4	53.1	75.7	75.6	73.0	34.1	39.8	50.3
Srr	12.8	11.2	11.2	12.9	9.7	13.0	9.8	10.0	9.3	9.1	10.3	10.2
Srrd	6.1	5.3	4.1	4.2	5.5	6.2	4.6	5.3	5.4	6.1	5.2	5.0
Srrm1	5.1	5.7	7.0	6.7	5.9	6.7	8.1	6.5	5.5	5.4	6.1	6.0
Srrm2	12.6	16.3	18.7	11.8	14.3	12.4	18.2	16.5	15.5	14.4	13.8	13.2
Srrm3	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2
Srrm4	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Srrt	21.9	21.2	23.9	24.4	22.0	19.6	27.6	24.7	21.9	24.0	25.1	24.5
Srsf1	18.7	16.6	21.5	19.7	18.7	16.8	20.8	19.3	19.2	19.7	22.5	22.3
Srsf10	21.2	23.2	26.7	25.0	23.4	23.3	23.3	23.6	23.6	25.3	30.0	28.6
Srsf11	18.8	18.5	23.3	20.3	17.2	18.6	21.3	18.6	16.1	17.1	20.9	21.8
Srsf12	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1
Srsf2	32.0	29.7	31.2	33.1	33.2	28.2	40.2	33.5	37.7	30.9	34.6	31.5
Srsf3	28.6	27.2	28.5	27.5	28.9	27.3	32.4	27.8	31.4	32.5	34.1	32.3
Srsf4	7.7	9.1	11.7	8.2	8.3	8.3	9.2	10.2	8.6	8.3	9.9	8.5
Srsf5	114.9	110.6	129.8	123.6	102.1	102.7	123.3	122.1	124.7	124.9	121.5	142.1
Srsf6	26.6	25.7	24.3	24.6	25.4	23.9	27.2	28.1	28.1	30.4	30.2	28.9
Srsf7	13.1	14.0	15.5	15.2	15.7	15.5	16.1	15.5	16.0	18.3	17.6	14.7
Srsf9	28.0	23.1	25.7	24.0	26.9	24.5	26.7	24.9	24.6	30.7	26.7	29.5
Srxn1	80.0	45.5	28.2	136.8	83.7	101.1	35.8	30.6	22.4	34.8	33.0	27.5
Ss18	26.2	27.2	29.1	30.9	32.0	25.2	37.1	27.8	33.0	30.6	37.4	31.2
Ss18l1	1.5	1.7	1.8	1.6	1.7	1.7	1.5	1.4	1.7	1.4	1.9	1.6
Ssb	75.5	69.5	76.0	80.4	65.8	70.1	71.2	67.0	59.8	76.3	85.7	86.0

Online Table 1

Ssbp1	18.9	16.1	21.1	21.1	15.6	19.3	19.1	17.2	14.9	16.7	22.4	21.0
Ssbp2	4.0	4.0	5.5	3.7	4.2	2.9	4.1	4.6	4.0	3.8	4.7	4.9
Ssbp3	8.2	7.7	8.6	7.3	6.8	7.9	6.8	9.1	7.9	13.1	11.3	8.8
Ssbp4	7.6	8.2	8.3	8.0	9.1	7.0	7.8	11.0	8.7	9.6	7.2	7.4
Ssc5d	1.2	1.5	2.2	1.2	1.1	1.4	1.2	1.8	1.2	1.4	1.0	0.9
Ssfa2	26.7	33.3	33.9	34.9	26.4	32.6	22.7	23.9	22.4	21.1	21.4	23.6
Ssh1	3.6	4.5	3.7	4.0	4.2	4.2	5.4	4.8	5.1	4.3	4.0	4.0
Ssh2	1.6	3.0	4.4	2.5	3.7	2.0	2.0	3.6	2.5	2.4	1.9	2.5
Ssh3	9.7	10.0	10.4	7.9	8.1	8.4	6.9	7.3	7.2	9.9	8.6	9.6
Ssna1	32.6	25.7	20.9	28.4	27.8	24.6	23.3	22.8	27.8	28.0	27.5	24.0
Sspn	13.2	14.5	16.5	14.0	9.9	17.2	12.7	12.4	12.4	12.6	13.5	14.4
Sspo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ssr1	27.4	25.3	27.2	35.3	27.8	29.6	30.2	28.1	26.0	28.6	31.7	33.7
Ssr2	67.7	59.7	61.6	65.5	62.1	63.6	61.5	75.9	67.5	67.4	69.2	63.4
Ssr3	177.9	169.7	172.5	195.1	179.2	174.6	187.9	192.2	196.3	208.5	220.0	222.4
Ssr4	160.7	128.9	117.6	152.4	128.6	128.6	123.4	137.1	123.4	129.9	134.9	131.4
Ssrp1	40.7	38.7	45.8	40.3	36.3	39.8	41.8	39.1	33.4	35.4	42.2	41.0
Sssca1	16.8	12.8	13.7	16.5	13.4	15.3	12.3	12.7	12.2	13.7	14.7	13.4
Sstr2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.3	0.0	0.0
Sstr3	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Sstr5	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ssu72	37.2	36.4	36.8	37.5	36.3	38.0	38.6	37.0	33.5	34.4	39.2	39.8
Ssx2ip	4.4	4.2	4.7	3.0	3.6	4.0	3.7	3.5	3.3	5.8	4.8	3.6
Ssxb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ssxb10	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ssxb2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ssxb3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ssxb5	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ssxb8	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ssxb9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St13	172.7	152.5	166.7	201.0	135.0	179.5	145.0	122.7	116.6	161.1	180.1	195.4
St14	0.8	0.6	0.5	0.6	0.7	0.7	0.4	0.2	0.1	0.3	0.2	0.3
St18	0.1	0.0	0.0	0.3	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0
St3gal1	4.9	7.9	9.9	3.8	7.4	3.1	8.2	14.3	11.5	10.4	7.5	7.4
St3gal2	9.2	9.7	7.8	9.5	9.4	9.9	10.6	8.7	9.2	9.2	9.1	9.0
St3gal3	20.3	18.3	13.9	19.9	17.1	19.4	22.9	16.2	19.9	17.1	22.0	17.8
St3gal4	8.6	9.2	11.1	5.4	10.2	7.6	12.0	21.6	10.9	10.1	10.4	9.6
St3gal5	10.1	7.5	7.7	17.0	15.6	10.2	12.4	9.6	11.4	13.6	13.7	16.2
St3gal6	3.0	3.1	2.4	2.9	5.1	2.0	1.6	2.0	1.7	3.5	2.3	2.0
St5	20.5	22.3	20.0	19.1	21.4	13.4	26.4	21.8	27.1	21.8	21.1	24.6
St6gal1	0.5	0.2	0.5	0.7	1.5	0.3	0.6	0.9	1.2	0.6	0.5	1.1
St6galnac1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
St6galnac2	0.3	0.7	1.8	0.3	0.7	0.3	0.8	0.8	0.7	0.4	0.7	0.6
St6galnac3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St6galnac4	5.2	4.9	4.6	6.5	5.8	6.1	6.7	4.7	6.6	5.9	5.6	5.4
St6galnac5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St6galnac6	21.0	23.7	19.8	19.3	20.1	24.3	23.5	19.3	25.1	18.4	19.7	18.8
St7	9.6	7.1	6.3	7.5	6.3	7.4	8.5	7.5	6.7	6.4	7.7	7.1
St7l	3.3	3.6	3.1	3.5	3.6	3.5	3.2	3.1	3.3	3.7	3.8	3.8
St8sia1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St8sia2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
St8sia4	0.4	0.0	0.2	0.5	0.4	0.0	0.0	0.1	0.2	0.0	0.0	0.0
St8sia6	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Stab1	1.3	0.1	0.2	5.4	9.0	0.2	0.9	0.5	0.5	0.8	0.3	0.8
Stab2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stac	1.9	1.5	1.2	1.3	0.6	1.3	0.6	0.8	0.6	0.8	1.3	1.4
Stac2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Stac3	0.1	0.1	0.2	0.0	0.0	0.0	0.2	0.0	0.1	0.2	0.1	0.2
Stag1	7.1	7.8	8.2	6.9	7.2	6.0	8.4	9.7	8.9	9.2	9.4	9.7
Stag2	19.6	21.6	20.7	18.9	17.5	19.7	17.5	17.8	18.2	20.7	21.4	23.5
Stag3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Stam	13.0	12.6	11.1	14.4	11.5	13.7	11.6	10.3	11.3	12.5	14.3	13.2
Stam2	14.2	12.4	11.7	14.3	13.5	13.1	12.9	13.0	12.7	13.1	14.7	14.9
Stambp	3.6	5.7	6.1	5.1	4.6	5.2	5.1	5.1	4.3	4.6	5.0	5.1
Stambpl1	12.9	14.8	14.0	12.2	13.4	10.7	13.0	12.9	13.2	8.2	12.4	11.8
Stap1	3.0	0.0	0.2	20.5	47.8	0.0	6.4	0.4	1.4	3.8	1.3	4.2
Stap2	1.4	0.6	0.7	0.6	0.6	0.8	0.6	0.5	0.4	1.1	0.7	0.3
Star	2.3	2.3	1.2	2.7	2.6	5.2	1.9	1.1	1.1	6.2	3.7	2.3
Stard10	6.4	4.8	6.9	2.5	3.2	4.5	3.6	5.7	5.1	8.5	4.4	5.8
Stard13	7.4	8.5	7.2	7.2	6.7	7.5	9.0	10.1	11.7	9.4	9.7	9.4
Stard3	6.4	5.8	5.7	8.2	7.9	7.4	6.9	6.5	7.7	7.9	7.2	6.3
Stard3nl	31.3	27.2	18.3	25.4	28.8	26.4	23.1	21.8	30.6	28.6	27.7	23.9
Stard4	3.5	6.3	6.5	1.2	3.9	2.0	7.0	10.6	8.2	3.4	7.0	3.7
Stard5	7.2	7.1	7.3	6.4	6.2	5.0	7.3	7.8	6.5	6.4	6.1	6.2
Stard6	5.0	4.9	4.7	4.6	3.1	4.7	3.4	3.5	3.5	4.0	3.9	3.8
Stard7	14.1	15.6	12.7	12.6	11.7	13.6	11.0	11.6	12.9	12.9	10.7	12.5
Stard8	4.4	6.5	6.7	4.3	5.5	4.2	5.0	4.1	5.2	3.6	4.1	4.3
Stat1	15.0	11.1	17.9	17.2	16.6	11.8	13.2	13.4	13.7	16.6	14.2	22.1
Stat2	10.6	8.7	12.7	10.8	10.1	8.4	10.5	9.8	9.4	3.9	6.7	11.3
Stat3	49.1	66.8	72.9	40.9	61.9	34.5	66.1	69.0	64.9	59.4	59.6	60.5
Stat4	0.1	0.0	0.0	0.4	0.2	0.0	0.1	0.1	0.0	0.1	0.1	0.0
Stat5a	3.9	4.1	4.3	3.4	3.5	3.6	4.5	3.8	4.0	3.1	2.8	3.7
Stat5b	8.6	9.6	10.1	8.3	8.3	8.0	9.5	8.8	9.3	7.0	7.5	8.3
Stat6	33.6	37.4	34.0	43.6	39.4	36.7	42.0	39.2	39.8	32.4	36.2	37.5
Stau1	23.3	27.4	27.8	25.6	24.7	27.6	31.1	28.5	27.2	26.3	27.5	29.3
Stau2	7.3	6.5	5.7	6.9	6.0	7.7	4.4	4.0	4.3	5.2	5.5	5.1
Stbd1	11.8	7.7	5.5	9.7	8.7	11.6	13.5	5.5	24.6	22.0	22.5	26.4
Stc1	0.1	0.1	0.5	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Stc2	4.2	3.2	2.4	6.1	4.2	4.1	4.0	5.4	2.9	2.5	2.8	2.3
Steap1	10.1	9.7	8.7	9.0	11.5	7.7	12.7	8.8	8.0	14.6	10.2	10.4
Steap2	16.9	16.5	13.1	21.5	17.4	20.6	20.0	10.6	12.2	18.1	17.1	16.1
Steap3	2.4	5.8	10.4	2.7	3.8	2.6	3.0	9.6	3.8	3.0	2.6	3.2
Steap4	1.5	0.6	2.8	0.1	0.4	0.0	0.4	3.1	1.2	3.1	1.3	1.7
Stil	0.5	0.9	1.0	0.4	1.2	0.2	1.2	0.6	0.9	0.5	0.8	0.5
Stim1	23.7	25.4	17.5	26.9	18.5	29.3	17.2	13.4	15.5	18.1	16.8	13.2
Stim2	11.7	11.0	12.1	12.2	10.5	11.7	12.9	11.6	10.6	12.8	13.7	11.9
Stip1	64.5	68.8	65.4	70.2	54.4	54.4	62.4	57.5	55.3	66.4	71.9	66.7
Stk10	2.5	2.1	1.8	4.5	6.5	1.7	3.0	2.7	1.7	3.5	3.1	2.5
Stk11	32.3	32.0	30.0	37.5	31.9	38.4	31.4	29.6	28.9	27.8	30.1	30.5
Stk11ip	1.9	1.7	1.7	2.4	2.4	2.1	2.2	2.0	2.0	2.1	1.7	1.7
Stk16	10.7	9.9	9.6	10.6	9.7	11.3	10.0	10.6	9.9	9.9	9.6	9.9
Stk17b	8.8	6.6	10.6	13.5	19.4	10.1	9.7	6.5	8.8	9.9	7.6	12.7
Stk19	10.1	7.5	5.5	10.6	9.2	9.2	8.1	8.8	8.6	9.0	8.9	7.5
Stk24	19.0	22.0	20.7	21.7	19.3	19.3	21.6	16.9	19.0	20.0	20.9	20.0
Stk25	29.4	26.6	27.5	28.8	26.8	29.7	31.3	27.0	31.3	24.1	28.3	29.0
Sik3	16.4	17.3	21.9	19.3	14.2	17.1	20.3	19.3	17.5	16.1	23.8	22.7
Stk30	1.2	0.8	0.7	0.8	0.4	1.5	0.6	0.7	0.3	0.5	0.5	0.6
Stk31	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Stk32a	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stk32b	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Stk32c	0.5	0.6	0.5	0.9	0.3	0.6	0.6	0.2	0.4	0.1	0.2	0.2
Stk33	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.0
Stk35	2.8	3.4	3.4	2.5	2.8	3.0	2.6	3.0	2.7	2.8	2.6	2.5
Stk36	1.1	1.0	0.9	1.0	0.9	1.3	0.6	0.8	0.7	0.9	0.8	0.7

Online Table 1

Stk38	18.2	19.8	22.0	18.4	18.6	18.5	18.0	18.9	19.6	15.7	20.2	19.4
Stk38l	8.6	7.3	7.5	8.4	8.7	6.8	6.0	5.5	4.8	5.4	5.6	6.0
Stk39	19.8	12.9	10.8	19.4	11.3	16.3	13.2	8.7	12.5	20.3	18.4	16.4
Stk4	13.0	12.8	10.4	17.4	13.6	13.4	12.0	10.0	10.0	10.6	13.1	10.7
Stk40	5.3	5.5	5.3	6.2	7.0	4.1	5.4	5.2	4.7	5.7	6.0	4.1
Stmn1	18.0	24.6	39.4	11.3	37.7	10.9	38.6	13.3	31.1	22.6	31.8	21.3
Stmn1-rs1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0
Stmn2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Stmn4	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Stmnd1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Stom	24.5	22.0	18.3	35.7	36.1	29.4	22.2	15.3	19.5	29.0	24.1	22.4
Stoml1	14.8	13.4	11.9	15.6	12.1	17.5	13.7	11.6	14.0	10.8	11.9	13.0
Stoml2	19.7	21.0	19.9	16.1	19.3	19.6	17.4	23.0	17.7	21.0	21.3	20.7
Ston1	27.4	23.5	15.4	37.7	31.8	26.8	37.8	15.3	27.4	27.3	28.0	25.4
Ston2	0.6	0.8	1.1	0.3	0.6	0.4	0.8	1.7	0.7	0.5	1.1	0.6
Stox1	0.2	0.1	0.4	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1
Stox2	3.6	3.8	3.5	3.5	3.5	3.4	3.7	2.9	3.0	2.8	3.3	3.4
Stpg1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1
Stpg2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Stra13	10.5	10.2	10.6	15.0	12.6	10.6	8.9	12.0	9.8	10.7	12.6	9.4
Stra6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Strada	5.5	5.8	6.1	5.6	5.3	5.6	6.0	6.2	5.7	5.5	6.0	4.7
Stradb	9.9	9.0	6.7	7.9	6.9	9.7	6.3	5.2	6.7	7.1	6.9	7.1
Strap	51.7	47.3	41.6	49.6	46.2	49.8	44.7	42.2	41.2	47.9	48.2	44.8
Strbp	2.5	2.0	2.0	2.2	1.9	2.6	1.3	1.3	1.2	1.9	2.0	2.0
Strip1	8.6	9.3	10.1	9.4	9.1	9.3	11.9	10.3	10.4	9.4	9.3	9.5
Strip2	0.1	0.3	0.8	0.1	0.3	0.0	0.2	0.5	0.2	0.1	0.2	0.3
Strn	7.7	8.7	9.2	8.9	7.9	7.6	8.8	8.8	8.9	9.2	10.0	10.1
Strn3	55.5	63.6	63.3	59.1	42.3	56.7	49.5	47.6	52.5	50.3	61.2	63.0
Strn4	15.9	16.1	13.9	16.7	15.1	15.1	15.2	12.4	15.4	13.2	14.4	13.4
Stf3a	95.7	81.8	84.1	93.4	87.8	88.9	89.7	99.3	88.2	95.3	96.5	95.2
Stf3b	52.2	50.8	46.4	50.5	51.2	51.4	56.3	60.9	55.4	54.6	57.4	53.9
Stub1	36.4	37.2	33.3	37.7	31.5	38.9	39.9	42.4	38.9	37.1	35.5	33.2
Stx11	1.8	1.8	1.9	1.4	2.6	2.6	2.3	2.4	2.3	2.1	2.1	1.8
Stx12	33.6	32.9	33.5	35.5	33.6	34.3	35.2	31.3	33.7	34.5	40.1	38.4
Stx16	9.0	10.4	9.9	10.7	9.6	11.3	9.1	9.1	9.3	9.4	9.4	8.8
Stx17	5.2	4.7	4.6	5.4	4.1	5.5	5.0	5.2	5.0	4.6	5.1	4.8
Stx18	16.5	16.5	15.3	13.2	12.4	12.3	14.3	16.8	13.9	14.8	18.1	16.6
Stx19	0.0	0.2	0.0	0.0	0.2	0.3	0.1	0.2	0.1	0.0	0.0	0.0
Stx1a	0.9	1.6	1.7	1.7	1.5	1.2	1.9	1.7	2.1	1.7	1.7	1.3
Stx1b	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Stx2	23.3	23.7	21.3	25.9	22.6	22.7	25.3	30.6	25.5	18.6	25.3	22.6
Stx3	5.0	3.5	3.4	5.5	6.1	5.6	4.0	2.8	3.6	5.2	4.3	4.6
Stx4a	12.8	15.4	17.8	16.7	16.7	17.8	15.7	16.7	15.1	15.2	15.6	15.6
Stx5a	31.3	33.2	28.6	31.6	27.6	30.9	28.4	32.1	32.3	34.1	31.2	31.1
Stx6	12.4	11.4	11.2	10.8	11.9	10.3	11.5	11.3	10.9	12.1	11.3	10.8
Stx7	31.4	28.9	26.5	39.3	30.4	36.8	31.0	22.8	28.3	29.8	35.9	36.6
Stx8	7.9	6.6	5.8	7.9	5.4	7.6	5.9	5.7	5.3	5.5	6.0	6.5
Stxbp1	5.1	5.8	5.9	5.8	5.4	6.1	7.0	5.2	5.2	4.2	5.0	4.3
Stxbp2	7.0	5.1	5.0	6.4	7.6	5.1	3.6	2.7	2.8	7.6	4.4	4.6
Stxbp3a	12.0	12.1	12.6	11.7	12.8	11.1	10.9	11.0	12.4	13.8	13.8	14.7
Stxbp3b	0.4	0.4	0.3	0.5	0.3	0.6	0.8	0.3	0.4	0.8	0.5	0.4
Stxbp4	3.5	3.6	3.8	3.3	2.8	4.1	3.0	3.3	3.1	3.5	3.4	3.5
Stxbp5	4.9	5.1	4.2	5.3	4.7	5.3	3.8	3.6	3.5	4.0	4.1	3.7
Stxbp5l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stxbp6	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.1
Styk1	2.1	1.0	0.7	2.3	1.0	1.5	0.9	0.3	0.6	1.2	1.4	0.6

Online Table 1

Styx	5.2	5.8	5.9	7.4	5.3	6.7	4.5	4.6	5.5	5.4	6.1	6.6
Styx1	0.5	0.4	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.2	0.1
Sub1	15.4	15.3	17.2	14.0	14.2	12.5	16.4	16.7	15.9	18.4	19.4	18.7
Sucla2	42.5	37.6	36.5	44.4	32.8	39.1	29.5	33.5	32.2	37.8	38.7	39.9
Suclg1	29.3	27.2	27.8	35.1	27.0	29.2	26.3	27.4	24.9	30.1	28.7	29.6
Suclg2	26.3	23.3	25.8	21.7	20.6	23.8	20.2	22.7	19.1	25.3	22.6	24.1
Sucnr1	3.5	5.0	3.2	6.4	1.4	4.6	1.1	0.5	0.7	0.7	0.6	0.4
Suco	12.2	12.9	12.2	11.3	13.4	11.4	14.3	11.8	15.2	13.9	16.3	15.4
Suds3	29.6	28.2	27.8	30.4	25.3	31.6	25.4	25.9	23.1	29.3	26.2	29.3
Sufu	1.9	2.4	2.3	2.0	2.5	1.6	3.0	2.4	2.5	2.7	1.8	1.8
Sugp1	9.3	11.3	11.9	12.5	9.3	10.2	10.3	10.9	9.2	9.7	11.9	10.7
Sugp2	6.1	6.2	5.8	5.3	5.3	5.3	5.7	5.2	6.2	5.4	5.0	4.5
Sugt1	39.4	37.1	32.0	33.6	30.7	34.6	32.3	30.3	32.5	36.2	37.6	39.0
Sulf1	111.2	83.3	71.9	105.7	92.3	88.0	94.1	95.5	67.7	131.5	111.0	95.3
Sulf2	29.7	26.1	31.4	26.8	26.1	31.5	36.1	41.2	27.8	34.4	36.6	33.4
Sult1a1	0.7	0.2	0.1	0.8	0.3	0.5	0.1	0.1	0.1	0.2	0.0	0.0
Sult2b1	0.3	0.1	0.1	0.1	0.2	0.0	0.0	0.2	0.1	0.2	0.2	0.1
Sult4a1	3.4	1.4	0.8	3.6	1.1	2.3	1.4	0.3	0.5	0.6	1.0	0.4
Sult5a1	0.0	0.1	0.3	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0
Sult6b1	0.1	0.1	0.2	0.2	0.3	0.1	0.1	0.2	0.3	0.1	0.1	0.2
Sumf1	53.4	39.4	35.0	58.5	43.9	60.1	42.0	38.5	39.1	38.8	42.8	48.3
Sumf2	8.4	9.0	9.0	8.4	7.9	10.4	9.9	11.1	9.1	9.0	8.7	8.1
Sumo1	90.6	87.4	100.8	91.7	87.4	91.5	85.0	77.9	75.7	91.8	86.7	106.4
Sumo2	102.7	101.7	138.9	128.6	113.2	131.9	128.7	141.0	112.9	126.5	156.7	148.6
Sumo3	17.8	17.0	17.2	18.2	17.2	16.7	17.3	19.4	16.2	19.3	18.7	19.8
Sun1	17.6	16.1	16.1	17.3	15.3	17.6	16.4	16.7	16.5	14.5	16.6	15.1
Sun2	17.1	15.0	14.1	20.3	18.8	21.9	18.3	11.7	16.5	15.3	14.3	15.1
Suox	9.6	9.0	8.0	10.3	6.1	9.1	7.3	5.4	6.1	7.9	7.1	6.7
Supt16	26.9	23.4	26.7	27.1	25.6	26.7	26.1	24.3	20.2	22.8	27.1	29.5
Supt20	8.7	10.8	10.9	8.0	10.0	8.7	12.5	10.8	11.3	9.1	11.9	10.0
Supt3	2.3	3.6	3.6	2.4	2.9	3.6	3.5	3.1	3.0	2.0	2.5	3.4
Supt4a	32.1	26.2	24.0	29.6	25.2	28.1	25.1	28.6	25.3	32.0	27.2	28.8
Supt5	52.3	49.8	47.9	61.2	42.4	45.6	45.8	38.7	39.0	43.4	45.6	46.5
Supt6	17.5	17.3	20.1	20.0	18.6	18.2	20.2	20.3	17.3	20.7	21.3	24.3
Supt7l	6.0	6.1	6.3	6.9	5.7	6.0	5.6	5.8	5.2	6.1	5.4	5.6
Supv3l1	6.9	6.5	6.5	5.7	6.0	7.7	6.2	6.5	6.0	6.2	7.1	6.5
Surf1	27.7	25.4	23.5	28.9	22.8	26.9	24.4	24.7	22.1	27.0	28.8	29.0
Surf2	18.6	15.4	16.0	19.4	11.7	19.4	18.1	16.5	12.6	15.1	18.2	18.2
Surf4	136.2	124.9	114.2	148.3	137.4	123.2	153.5	147.7	144.4	143.5	152.3	138.2
Surf6	7.8	7.1	7.1	9.4	7.9	7.8	8.0	7.3	6.8	7.1	7.6	8.5
Susd1	0.7	0.6	0.4	0.6	1.1	0.7	0.4	0.4	0.2	0.4	0.3	0.3
Susd2	3.7	4.2	4.5	5.4	7.6	5.6	7.1	3.2	4.2	1.8	2.6	1.3
Susd3	0.3	0.0	0.0	2.1	5.9	0.0	0.5	0.1	0.1	0.1	0.1	0.1
Susd4	0.2	0.2	0.1	0.0	0.0	0.2	0.0	0.1	0.1	0.3	0.1	0.1
Susd5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Suv39h1	2.5	2.5	2.6	1.8	3.2	1.7	3.3	2.7	3.3	2.5	2.3	2.1
Suv39h2	0.4	0.3	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.4
Suv420h1	5.7	6.4	7.0	6.7	7.2	5.4	7.1	8.0	7.6	7.3	8.0	7.8
Suv420h2	1.3	2.3	2.0	1.2	2.0	1.5	1.2	1.4	2.2	1.8	1.5	1.4
Suz12	5.3	5.8	6.4	4.1	5.6	5.3	4.9	4.8	4.5	5.1	6.3	5.6
Sv2a	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.3	1.4	0.5	0.3
Sv2b	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sv2c	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Svep1	34.4	73.7	104.5	27.1	49.6	27.6	44.0	72.5	50.6	36.1	38.0	39.1
Svil	6.8	7.1	8.7	6.5	7.1	5.5	7.8	7.0	7.2	9.8	10.1	9.6
Svip	0.6	0.1	0.3	0.2	0.1	0.3	0.0	0.1	0.1	0.2	0.2	0.1
Svop	3.7	2.7	1.5	2.2	2.5	2.4	1.4	0.4	0.9	1.8	1.3	1.8

Online Table 1

Svopl	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Swap70	9.6	10.0	9.6	16.1	14.8	11.4	8.9	8.7	9.3	9.4	7.9	9.7
Swi5	225.8	192.4	240.2	225.7	175.2	219.2	227.8	223.7	185.1	214.4	239.9	261.2
Swsap1	2.6	2.0	2.2	3.6	2.6	3.1	3.0	2.8	2.3	2.3	2.7	2.4
Swt1	3.4	4.2	4.5	3.8	3.6	3.6	2.7	3.4	3.0	4.3	5.2	4.2
Syap1	29.1	26.2	29.0	33.2	29.2	31.4	26.6	27.3	26.0	30.0	34.1	34.0
Sybu	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Syce1	0.5	0.3	0.2	0.5	0.1	0.2	0.2	0.3	0.2	0.3	0.4	0.1
Syce2	1.2	1.9	2.9	2.8	2.6	1.6	2.8	0.8	1.9	1.9	1.6	2.2
Sycp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sycp1-ps1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sycp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Sycp3	0.3	1.0	0.7	0.9	0.5	1.4	0.1	0.4	0.3	0.2	0.9	1.0
Syde1	21.6	21.9	19.6	25.1	20.0	24.1	25.9	21.2	23.2	21.2	22.1	19.1
Syde2	1.1	1.1	1.1	1.2	0.8	1.2	1.0	1.2	1.4	1.6	1.4	1.4
Syf2	51.5	52.5	52.1	64.2	39.1	50.0	46.8	47.6	43.6	46.7	54.3	56.1
Syk	2.9	2.3	1.7	6.7	12.1	3.3	4.9	2.7	2.3	1.9	2.3	2.4
Sympk	21.6	21.3	17.7	21.2	20.3	21.9	18.1	17.3	17.9	18.3	18.1	15.0
Syn1	0.2	0.3	0.1	0.2	0.4	0.2	0.4	0.2	0.3	0.3	0.2	0.1
Syn2	1.8	1.8	1.2	2.0	1.1	1.8	0.7	0.3	0.4	0.7	0.6	0.5
Syn3	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2
Syna	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.1
Synb	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sync	7.6	6.4	5.6	8.4	5.7	9.7	6.7	6.1	6.6	6.8	8.5	7.0
Syncrip	21.0	18.8	20.2	21.6	22.8	17.8	23.7	24.4	19.7	23.8	27.1	25.2
Syndig1	0.2	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
Syne1	2.6	2.3	2.3	3.4	3.6	2.5	2.6	2.7	1.9	2.0	2.1	2.0
Syne2	5.7	7.4	6.5	4.1	5.3	6.0	5.4	5.2	5.8	12.4	8.7	9.8
Syne3	2.6	2.8	3.8	2.2	3.0	2.1	2.9	5.0	2.5	1.8	2.7	2.8
Syne4	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0
Syngr1	2.6	0.8	0.4	4.6	2.0	3.1	0.3	0.4	0.2	1.1	0.8	0.6
Syngr2	40.4	42.0	38.0	42.8	43.8	39.5	48.1	51.2	53.0	53.0	48.6	47.2
Syngr3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Syngr4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0
Synj1	1.7	2.3	2.4	2.0	2.6	1.9	2.0	2.1	2.2	2.3	2.0	1.9
Synj2	3.5	3.5	5.1	3.7	4.2	4.0	4.0	5.5	4.5	5.0	4.2	5.3
Synj2bp	7.8	6.7	6.2	11.6	7.1	9.6	7.5	5.9	6.2	7.6	9.6	8.7
Synm	1.3	1.5	1.3	1.3	1.4	1.3	1.0	0.6	0.5	0.6	0.7	0.5
Synpo	46.5	42.8	35.5	57.0	56.1	42.3	75.4	42.6	63.6	49.6	53.9	55.1
Synpo2	6.2	7.6	7.8	16.4	9.4	11.0	10.6	4.9	8.2	4.8	7.7	9.4
Synpo2l	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Synpr	0.3	0.1	0.1	0.0	0.2	0.0	0.1	0.2	0.2	0.7	0.3	0.3
Synrg	5.5	4.5	3.6	7.3	4.6	5.6	4.2	3.4	3.1	4.6	4.0	3.6
Syp	0.1	0.3	0.3	0.4	0.5	0.2	0.2	0.2	0.2	0.1	0.1	0.2
Sypl	6.1	5.7	5.5	6.5	6.2	7.0	5.5	5.5	6.1	5.9	6.5	6.1
Sypl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sys1	11.2	9.5	8.3	10.2	9.1	9.6	9.8	9.9	10.6	12.7	9.9	11.2
Syt1	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3
Syt11	3.6	3.4	3.3	4.2	4.6	3.7	2.9	3.7	2.7	3.6	2.9	3.5
Syt12	0.7	0.7	0.6	0.7	0.5	0.8	0.6	0.4	0.4	0.7	0.7	0.5
Syt13	5.1	5.7	4.3	7.3	7.5	7.7	9.2	6.3	5.7	1.5	2.9	2.3
Syt14	0.5	0.2	0.1	0.8	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.1
Syt15	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Syt17	10.1	13.1	12.1	6.5	8.2	11.4	10.8	10.2	8.4	5.7	7.9	9.4
Syt3	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1
Syt4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syt5	0.1	0.0	0.0	0.1	0.1	0.2	0.3	0.0	0.1	0.1	0.0	0.1

Online Table 1

Syt6	0.1	0.2	0.2	0.0	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.2
Syt7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syt8	0.0	0.1	0.0	0.2	0.2	0.0	0.2	0.2	0.3	0.1	0.1	0.1
Syt9	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Syt11	1.1	0.5	0.6	0.4	0.6	0.5	0.6	0.3	0.8	8.4	2.3	1.2
Syt12	0.9	0.7	0.7	1.5	1.0	0.7	2.0	0.7	1.2	0.8	1.2	1.2
Syt13	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Syt14	3.3	3.4	3.6	3.0	2.7	3.5	3.7	2.9	2.6	2.6	3.4	3.6
Syt15	0.2	0.2	0.1	0.1	0.1	0.2	0.0	0.1	0.0	0.2	0.1	0.1
Syvn1	3.0	5.1	4.1	3.3	4.4	3.9	4.8	4.2	5.2	4.5	4.2	3.2
Szrd1	18.1	17.1	17.0	20.5	20.9	17.7	19.5	19.4	19.2	20.6	19.3	19.3
Szt2	1.2	1.6	1.6	1.1	1.5	1.5	1.6	1.4	1.7	1.3	1.3	1.0
T2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Tab1	4.2	3.5	3.3	4.4	3.8	4.8	3.3	4.3	3.5	3.6	3.9	3.1
Tab2	15.1	14.8	17.4	15.3	14.1	13.4	14.7	15.0	13.8	12.1	16.3	15.7
Tab3	1.4	1.8	1.8	1.8	1.4	1.6	1.8	1.6	1.3	1.4	1.6	1.8
Tac4	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.0	0.1	0.0	0.2	0.1
Tacc1	18.6	23.9	28.2	22.4	27.4	19.7	25.8	24.7	24.6	21.4	22.1	27.7
Tacc2	4.2	4.1	4.4	4.8	3.8	5.3	4.8	4.7	3.9	5.0	4.9	3.9
Tacc3	3.8	6.0	8.9	2.0	9.0	2.1	11.1	4.0	8.9	4.3	7.0	4.9
Taco1	4.7	5.7	5.4	5.3	4.6	6.2	4.9	4.9	4.1	4.4	4.9	5.0
Tada1	6.8	6.6	6.7	6.7	6.2	6.2	6.9	7.2	7.1	6.8	7.4	7.6
Tada2a	4.7	4.7	5.7	3.6	3.9	4.4	4.4	5.2	4.3	5.0	5.3	5.2
Tada2b	3.8	3.6	4.1	4.4	4.1	4.1	4.6	4.1	4.0	3.8	4.8	4.2
Tada3	8.9	11.3	11.2	9.5	11.0	10.7	12.9	11.5	11.0	10.2	12.9	10.8
Taf1	10.7	10.7	11.5	10.4	9.2	10.0	10.9	9.3	9.2	9.6	11.4	10.6
Taf10	74.4	65.8	60.9	69.2	64.2	63.3	68.1	76.8	63.1	68.2	64.6	65.8
Taf11	13.8	14.8	14.2	13.0	13.5	16.2	14.9	16.2	14.2	14.3	15.2	14.8
Taf12	18.7	18.0	19.3	21.1	18.4	18.1	21.1	20.4	17.8	19.2	23.7	20.5
Taf13	26.4	22.6	19.6	26.8	22.5	20.6	20.3	17.3	19.3	24.4	25.5	25.2
Taf15	7.0	7.4	8.2	7.9	8.3	7.1	7.4	8.3	6.8	7.6	7.9	8.8
Taf1a	2.9	2.4	2.7	3.9	2.5	3.0	2.4	2.5	2.2	2.3	2.7	2.5
Taf1b	7.4	6.3	6.7	7.2	5.5	6.5	6.6	6.2	5.7	4.7	6.4	6.3
Taf1c	2.0	1.9	1.8	2.3	1.9	1.9	1.9	2.1	2.3	2.0	1.7	1.7
Taf1d	15.4	14.0	17.3	12.1	15.5	13.5	17.3	15.9	13.2	17.0	18.5	16.8
Taf2	8.6	9.6	9.1	8.4	9.0	8.4	8.5	8.9	8.7	8.8	9.9	8.8
Taf3	1.6	1.6	2.2	2.4	1.7	2.1	1.6	2.0	1.2	1.5	1.9	1.5
Taf4a	1.0	1.6	1.5	1.2	1.5	1.4	1.8	1.4	1.4	1.5	1.5	1.1
Taf4b	1.6	1.6	1.2	1.5	1.4	1.6	1.4	1.3	1.3	1.5	1.7	1.3
Taf5	1.3	1.4	1.3	1.2	1.2	1.2	1.6	1.4	1.4	1.6	1.4	1.4
Taf5l	4.0	3.8	3.5	3.5	4.8	3.6	4.9	4.8	3.9	4.1	4.6	3.9
Taf6	11.6	13.2	14.8	12.8	11.6	13.1	12.1	12.8	11.4	11.9	13.1	12.4
Taf6l	2.2	2.5	2.7	2.9	2.6	2.5	3.4	2.8	2.0	2.3	2.4	2.3
Taf7	1.4	1.4	1.9	1.4	1.6	1.2	1.9	1.9	2.1	2.7	2.3	2.6
Taf7l	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Taf8	3.4	3.6	3.7	4.1	4.0	3.7	4.1	4.6	4.1	3.5	4.2	4.1
Taf9	65.7	56.0	54.2	63.3	59.6	56.8	57.9	57.4	52.6	58.9	64.9	57.2
Taf9b	3.5	5.2	6.8	4.4	5.1	3.4	5.4	6.0	5.0	4.8	5.8	6.1
Tagap	3.1	3.0	2.6	2.5	2.8	3.0	3.1	2.1	2.4	2.1	2.2	2.0
Tagap1	6.2	6.1	5.2	5.2	5.2	6.7	6.2	4.2	5.0	4.9	5.1	4.5
Tagln	441.1	284.2	203.2	439.2	380.3	343.0	493.8	247.2	432.6	521.8	676.2	445.3
Tagln2	61.0	45.9	41.0	81.1	127.3	58.6	108.9	58.2	69.7	70.5	62.2	61.6
Tagln3	0.2	0.1	0.1	0.0	0.2	0.3	0.3	0.1	0.3	0.1	0.1	0.2
Tal1	0.6	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1
Tal2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0
Taldo1	195.1	174.9	95.4	321.5	216.5	313.4	97.3	99.7	70.7	117.4	101.9	87.7
Tamm41	5.0	4.2	4.4	4.3	3.3	3.6	5.1	5.6	4.9	4.6	5.2	5.0

Online Table 1

Tanc1	8.2	7.2	6.6	8.7	7.3	8.4	8.0	7.5	7.2	10.0	10.1	8.7
Tanc2	1.0	1.1	1.1	1.2	1.9	0.9	1.1	0.9	1.0	1.2	1.1	1.0
Tango2	11.0	14.3	15.6	9.0	12.9	9.3	13.5	16.3	16.2	12.3	12.9	13.8
Tango6	2.1	2.0	1.7	1.9	1.8	2.1	2.1	2.0	1.9	2.2	1.6	1.9
Tank	18.2	19.1	19.1	21.2	25.0	15.2	21.4	17.7	18.1	19.8	23.0	21.8
Taok1	15.2	17.5	18.0	15.5	16.1	15.1	14.5	15.4	14.8	15.5	17.4	17.2
Taok2	11.4	12.2	13.7	12.8	12.1	11.6	14.3	13.6	13.0	11.7	12.6	13.0
Taok3	7.5	6.7	7.3	10.6	10.3	8.3	7.8	6.2	5.7	8.0	8.0	8.3
Tap1	12.0	12.3	11.1	10.7	11.1	10.5	8.8	7.7	8.4	8.6	7.4	10.3
Tap2	11.5	13.6	13.6	12.6	14.9	14.6	12.0	13.1	12.6	10.7	8.8	12.0
Tapbp	50.7	44.2	55.5	61.9	73.1	49.4	44.9	53.3	43.3	44.8	40.0	44.6
Tapbpl	3.3	2.4	2.8	4.2	3.7	3.3	3.4	2.6	2.5	3.0	3.2	2.6
Tap1	7.1	8.4	8.6	6.9	6.7	8.0	6.7	7.8	8.9	7.1	8.7	8.4
Tarbp2	6.4	5.1	4.3	5.0	6.5	6.1	6.6	6.3	7.4	6.5	7.3	6.4
Tardbp	12.9	13.6	12.2	13.6	14.9	11.7	13.4	13.3	13.7	13.6	14.7	14.0
Tarm1	0.1	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Tars	52.3	42.8	39.1	52.3	42.1	47.8	51.8	55.9	43.7	44.0	60.5	48.9
Tars2	9.4	8.7	7.7	9.8	7.9	9.7	8.7	7.7	7.5	7.9	7.5	7.3
Tarsl2	3.9	3.5	2.7	3.5	2.4	4.5	2.5	2.0	2.6	2.5	3.0	3.2
Tas1r1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.3	0.1	0.1
Tas1r3	0.1	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.3	0.3	0.2	0.2
Tas2r108	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1
Tas2r135	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tas2r137	0.0	0.2	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Tasp1	3.1	3.9	5.1	3.1	3.1	3.0	3.8	4.6	4.6	4.7	3.8	4.5
Tatdn1	5.3	5.7	5.2	5.2	5.3	6.1	5.0	5.1	5.7	6.2	6.1	5.8
Tatdn2	17.0	11.1	9.6	20.4	15.5	13.5	15.6	9.6	11.5	12.8	15.7	13.5
Tatdn3	4.5	4.1	3.9	2.8	3.8	4.5	3.0	4.6	4.4	3.4	3.1	4.2
Tax1bp1	76.6	76.9	76.0	74.9	69.2	72.8	73.0	71.0	65.7	79.3	84.4	87.9
Tax1bp3	44.7	44.3	43.3	37.3	47.5	38.6	48.8	46.0	58.6	58.9	54.8	53.1
Taz	12.6	12.4	11.5	10.5	11.1	13.8	9.3	9.1	14.1	11.3	10.8	11.4
Tbata	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.0
Tbc1d1	7.7	7.4	6.7	8.5	9.4	7.4	10.3	6.7	8.3	7.8	8.9	8.4
Tbc1d10a	17.2	16.7	12.9	13.7	18.0	15.4	19.5	15.3	19.9	20.8	18.3	16.6
Tbc1d10b	15.5	15.6	15.3	18.1	17.1	16.0	18.8	14.8	14.5	12.8	13.6	14.9
Tbc1d10c	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.1
Tbc1d12	4.7	4.7	4.1	4.6	4.2	5.2	4.3	3.7	4.6	4.7	4.8	5.0
Tbc1d13	12.5	11.8	11.6	13.6	13.7	11.7	12.5	12.9	11.8	12.3	11.9	11.7
Tbc1d14	2.5	3.6	3.2	3.2	4.1	3.2	3.0	4.2	3.6	3.6	3.0	3.2
Tbc1d15	6.5	7.0	7.8	8.3	8.8	8.8	7.0	6.9	6.8	9.1	8.9	9.6
Tbc1d16	1.3	1.0	1.2	1.2	0.8	1.2	1.0	1.2	1.2	1.9	1.3	1.2
Tbc1d17	14.9	12.1	10.9	16.7	12.4	15.4	14.2	13.2	12.7	12.8	12.1	12.8
Tbc1d19	10.2	9.6	7.7	10.6	8.7	9.6	8.7	7.3	8.9	8.7	8.4	8.1
Tbc1d2	2.3	1.2	0.8	1.1	1.1	1.5	0.9	0.5	0.5	2.5	1.4	1.0
Tbc1d20	21.1	19.7	14.7	20.8	19.9	16.8	20.5	20.6	21.6	19.9	19.0	21.5
Tbc1d22a	10.1	8.7	7.1	10.2	9.5	11.5	8.4	8.9	9.2	9.1	9.3	8.1
Tbc1d22b	2.5	3.3	3.2	2.9	2.7	2.7	3.0	2.6	3.1	2.1	2.4	1.8
Tbc1d23	16.3	19.9	18.4	18.1	16.2	16.7	16.7	13.6	17.6	16.0	17.2	19.1
Tbc1d24	3.7	3.6	3.0	4.1	3.1	4.7	2.8	2.7	2.5	2.9	2.5	2.7
Tbc1d25	1.7	1.6	1.5	1.8	2.1	1.1	1.8	1.9	1.7	1.5	1.7	1.4
Tbc1d2b	11.7	12.5	14.6	10.4	11.7	11.7	11.7	11.6	11.0	15.4	13.7	13.1
Tbc1d30	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tbc1d4	0.8	1.0	1.9	0.6	1.7	0.7	1.8	1.9	1.4	1.1	1.4	1.1
Tbc1d5	6.0	6.4	7.3	6.2	6.2	6.3	6.6	6.8	5.8	6.0	6.4	7.0
Tbc1d7	10.8	12.2	10.5	10.7	8.6	11.3	11.0	10.5	10.1	8.2	10.1	10.0
Tbc1d8	2.2	1.8	1.8	1.6	1.8	1.3	1.5	1.5	1.3	1.8	1.9	1.6
Tbc1d8b	5.3	5.3	6.1	6.7	6.2	6.1	5.8	6.7	5.9	6.1	7.9	6.9

Online Table 1

Tbc1d9	1.7	0.6	0.5	3.6	4.4	2.0	1.3	0.7	0.8	0.8	0.9	0.7
Tbc1d9b	25.3	22.8	23.3	28.3	23.3	31.4	27.4	22.8	23.0	23.6	22.8	24.5
Tbca	223.2	171.6	157.1	233.3	163.3	208.0	150.3	163.8	142.2	165.6	204.4	194.8
Tbcb	41.6	40.5	34.9	42.9	38.2	40.0	39.2	47.1	41.9	41.9	45.5	40.7
Tbcc	7.5	7.0	5.2	7.9	6.8	8.5	6.3	6.5	8.2	7.6	6.9	6.8
Tbccd1	6.1	5.1	4.8	5.3	4.9	5.2	4.1	4.8	5.6	4.8	4.9	5.4
Tbcd	22.6	19.1	16.4	24.6	19.3	21.6	17.4	19.2	17.4	16.2	17.5	16.8
Tbce	12.6	11.8	10.3	11.9	11.5	10.9	12.5	11.0	12.6	10.0	12.4	11.2
Tbcel	13.8	12.4	9.9	16.6	10.7	14.2	9.3	8.5	9.4	9.9	10.0	10.0
Tbck	7.8	7.9	8.1	7.2	7.4	8.2	6.7	7.8	7.5	7.8	8.3	7.7
Tbk1	15.3	16.8	17.4	18.9	19.5	16.7	16.4	15.6	16.2	16.4	18.0	18.2
Tbkbp1	0.9	1.1	1.3	1.0	1.3	0.6	0.9	1.3	0.8	0.9	0.8	0.6
Tbl1x	31.3	27.1	25.5	25.0	21.4	29.9	23.9	21.8	24.6	25.1	27.0	23.2
Tbl1xr1	7.7	8.7	11.7	7.4	8.7	7.8	7.9	11.3	8.5	7.8	8.2	9.2
Tbl2	3.4	4.4	6.2	3.8	4.5	3.7	5.7	7.0	5.6	4.4	4.5	4.7
Tbl3	12.0	11.7	8.6	11.2	10.7	11.2	10.3	9.7	9.3	9.5	9.9	8.8
Tbp	6.3	7.1	8.0	6.4	7.4	7.8	6.8	7.7	6.5	7.5	8.6	7.7
Tbpl1	9.4	10.0	9.4	10.1	10.9	9.8	9.5	10.8	10.2	9.3	10.8	9.6
Tbrg1	73.5	66.1	62.9	70.6	55.7	62.9	61.1	65.2	56.2	65.1	71.2	66.1
Tbrg3	0.2	0.3	0.3	0.1	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2
Tbrg4	3.8	3.6	2.8	3.5	4.0	3.6	4.6	4.4	3.7	3.7	4.0	2.4
Tbx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tbx10	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.0
Tbx15	1.6	0.6	0.5	2.3	0.8	1.3	1.0	0.4	0.4	0.4	0.7	0.5
Tbx18	18.5	16.4	13.1	12.8	11.8	10.2	17.6	17.9	20.4	16.8	21.8	23.6
Tbx2	1.0	1.3	1.2	0.7	0.9	0.8	0.9	0.9	0.9	1.5	0.8	1.0
Tbx20	120.3	165.8	176.8	103.5	143.6	107.0	162.7	103.0	116.9	72.7	101.6	125.8
Tbx3	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.7	0.5	0.3
Tbx4	0.5	0.2	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.5	0.1	0.2
Tbx5	0.7	0.3	0.4	0.0	0.0	0.1	0.1	0.3	0.1	0.6	0.5	0.6
Tbx6	0.1	0.3	0.3	0.4	0.3	0.3	0.4	0.0	0.4	0.3	0.1	0.2
Tbxa2r	3.6	5.7	5.7	2.5	4.2	3.3	7.6	10.8	10.9	5.9	6.4	6.2
Tbxas1	0.6	0.0	0.0	4.8	7.4	0.1	0.9	0.1	0.0	0.7	0.2	0.4
Tc2n	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
Tcaim	2.1	2.5	2.3	2.9	2.2	2.6	2.5	2.1	2.8	2.8	3.3	3.3
Tcam1	0.1	0.1	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
Tcea1	27.1	27.4	25.8	27.9	25.0	30.2	24.7	27.3	24.7	29.1	33.2	28.4
Tcea2	1.6	2.9	1.9	2.3	1.5	2.3	2.2	1.2	1.9	2.1	1.5	2.2
Tcea3	23.5	22.3	28.5	21.2	13.6	28.5	17.5	20.3	16.7	19.8	20.2	24.8
Tceal1	6.7	7.4	10.4	9.4	6.0	12.1	7.2	7.6	7.7	8.6	9.6	10.1
Tceal3	0.8	0.5	1.2	0.4	0.2	0.8	0.3	0.4	0.3	1.8	1.5	1.2
Tceal5	0.1	0.2	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.4	0.2	0.1
Tceal6	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.3	0.1	0.1
Tceal8	31.0	25.7	35.1	37.0	25.8	34.9	40.1	38.7	28.5	34.0	47.0	41.3
Tceanc	1.4	2.7	3.2	1.1	1.3	1.2	1.4	1.8	1.6	1.5	1.2	1.5
Tceanc2	3.5	2.8	2.7	3.4	3.0	3.3	2.7	2.7	2.7	2.9	3.0	3.1
Tceb1	45.4	49.1	40.4	46.5	49.0	40.1	39.7	40.7	46.4	48.2	55.7	45.9
Tceb2	355.5	325.5	263.7	346.3	308.4	361.3	306.9	328.1	360.6	326.3	338.3	307.9
Tceb3	27.3	26.0	25.5	32.4	24.5	26.5	25.5	24.0	20.6	23.3	26.5	25.8
Tcerg1	9.0	9.6	10.1	8.8	9.0	8.5	12.3	9.4	8.9	8.9	10.0	10.1
Tcerg1l	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Tcf12	20.6	21.5	22.3	19.2	17.7	19.1	19.5	22.1	20.0	18.3	20.8	18.2
Tcf15	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Tcf19	3.8	5.4	7.9	2.5	7.7	2.1	8.9	5.7	5.6	4.2	5.5	3.7
Tcf20	30.2	30.9	25.9	26.8	25.9	32.7	33.5	34.1	33.6	31.1	39.8	33.0
Tcf21	80.6	164.9	230.5	63.2	120.0	61.9	106.6	129.4	104.0	70.7	67.6	111.5
Tcf23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1

Online Table 1

Tcf25	111.0	105.5	103.9	119.9	100.8	113.4	122.3	107.0	110.3	93.4	114.5	107.9
Tcf3	7.3	8.5	8.8	7.2	7.3	8.9	8.4	10.1	8.4	8.0	7.0	6.9
Tcf4	9.0	12.4	16.0	12.4	11.5	11.0	12.3	15.9	12.3	10.5	11.1	11.7
Tcf7	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1
Tcf7l1	0.6	1.0	1.5	0.6	0.9	0.7	0.9	1.4	1.2	0.9	1.0	0.6
Tcf7l2	1.2	1.8	2.2	1.5	1.4	1.6	1.7	2.1	1.4	1.5	1.8	1.3
Tcf15	0.5	0.1	0.3	0.5	0.3	0.4	0.5	0.2	0.4	0.7	1.0	0.7
Tchh	0.2	0.1	0.1	0.3	0.1	0.3	0.2	0.1	0.2	0.4	0.2	0.2
Tchp	3.0	2.3	2.8	2.3	2.6	3.2	3.0	2.6	2.2	2.6	3.1	2.6
Tcirg1	11.5	10.1	9.1	18.6	25.1	7.9	12.9	8.4	12.6	10.1	8.1	9.7
Tcn2	91.2	80.8	78.4	98.7	84.0	107.0	70.1	67.7	62.5	72.4	71.7	75.4
Tcof1	3.7	4.1	4.6	3.6	5.1	3.4	5.2	4.8	4.1	3.3	4.2	3.9
Tcp1	114.0	98.5	85.9	100.1	95.8	97.6	98.3	91.7	99.0	105.5	113.5	100.4
Tcp10a	0.1	0.0	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0
Tcp10b	0.1	0.1	0.4	0.1	0.1	0.0	0.2	0.1	0.0	0.1	0.1	0.1
Tcp10c	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Tcp11	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tcp11l1	3.6	3.5	2.7	5.2	3.8	4.0	2.0	2.0	1.6	1.3	1.9	2.2
Tcp11l2	4.7	7.3	6.6	5.0	5.0	4.8	5.1	5.5	5.7	8.9	6.4	8.0
Tcta	22.8	20.9	16.2	24.4	19.9	24.4	23.3	22.0	26.9	23.4	23.1	21.5
Tcte2	0.9	0.3	0.2	0.7	0.5	0.9	0.2	0.2	0.3	0.4	0.7	0.3
Tcte3	0.1	0.0	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.0
Tctex1d2	10.3	8.9	9.0	9.3	11.0	11.8	9.3	9.6	9.5	10.4	9.1	9.0
Tctex1d4	0.4	0.3	0.1	0.8	0.3	0.3	0.3	0.1	0.1	0.4	0.1	0.3
Tctn1	4.4	5.2	4.5	5.1	4.6	6.7	4.3	4.5	3.9	3.1	3.3	3.2
Tctn2	3.9	3.9	4.1	4.6	3.3	5.5	3.4	4.2	3.1	4.3	3.9	3.7
Tctn3	2.7	2.5	2.2	2.4	2.2	3.7	2.0	2.2	2.3	2.5	1.8	2.4
Tdg	2.4	1.6	2.0	2.6	2.2	2.8	2.2	2.0	1.1	1.8	1.4	2.3
Tdo2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Tdp1	3.5	3.6	3.8	3.5	3.5	3.9	3.1	3.1	3.4	3.8	4.3	3.3
Tdp2	8.8	11.2	10.5	6.7	9.9	7.8	10.2	8.7	11.7	11.1	11.5	11.7
Tdrd1	0.2	0.2	0.1	0.2	0.2	0.4	0.2	0.1	0.1	0.1	0.3	0.1
Tdrd12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Tdrd3	14.0	13.5	14.2	14.9	10.2	14.2	10.6	12.3	10.6	10.3	13.1	13.1
Tdrd5	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tdrd6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tdrd7	25.3	19.5	16.8	26.9	19.1	26.8	17.4	13.7	16.1	15.7	18.2	20.4
Tdrd9	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tdrkh	0.6	0.5	0.3	0.7	0.4	1.0	0.6	0.1	0.2	1.0	0.5	0.4
Tead1	9.4	12.4	11.8	10.1	9.2	9.6	13.3	10.5	11.8	9.6	10.6	10.5
Tead2	12.4	13.9	14.4	9.2	8.7	12.6	14.1	15.6	14.6	11.1	11.8	11.6
Tead3	5.5	6.6	7.7	5.2	5.6	5.5	8.3	7.6	9.0	6.6	6.7	6.8
Tead4	0.7	0.3	0.2	0.5	0.4	0.3	0.6	0.4	0.4	0.6	0.6	0.4
Tec	2.4	1.2	1.2	4.1	5.8	1.0	1.5	1.0	1.4	7.3	3.2	3.5
Tecpr1	8.3	7.7	6.6	10.7	8.7	8.9	7.7	6.2	7.4	6.7	6.8	5.8
Tecpr2	1.8	2.3	1.8	1.5	2.0	1.7	1.8	1.9	2.0	1.9	2.1	1.9
Tecr	67.9	71.9	72.7	72.1	55.0	69.4	92.6	115.2	80.4	53.4	82.2	61.2
Tecta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tectb	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Tef	20.7	23.4	24.1	18.4	16.3	22.0	17.2	22.2	19.4	17.2	15.7	17.4
Tefm	5.2	5.5	4.6	5.9	4.5	5.9	5.4	4.5	5.3	5.6	5.4	5.4
Tek	4.1	4.8	8.9	1.4	3.8	1.1	5.0	11.8	7.1	5.4	6.0	7.3
Tekt2	0.3	0.2	0.5	0.4	0.3	0.4	0.5	0.4	0.5	0.6	0.3	0.2
Tekt5	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Telo2	2.9	3.0	2.7	3.0	2.5	3.8	2.7	3.1	3.2	2.3	2.0	1.9
Ten1	8.0	8.2	6.6	8.4	9.2	6.6	9.2	11.7	9.5	11.5	9.6	9.1
Tenc1	6.9	7.8	7.6	8.9	6.1	9.0	7.8	8.8	8.1	5.9	6.4	6.1

Online Table 1

Tenm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tenm2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tenm3	1.6	3.2	5.2	1.0	3.6	0.7	4.4	8.0	7.3	4.9	4.2	4.4
Tenm4	0.1	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
Tep1	7.2	6.7	6.3	6.9	9.6	7.0	6.3	6.7	6.1	4.7	5.1	4.9
Terc	6.1	4.4	2.9	3.3	4.4	5.5	3.2	3.1	3.5	7.3	2.9	4.4
Terf1	4.6	6.6	7.2	5.2	5.8	6.1	7.4	5.2	5.5	4.8	5.4	6.1
Terf2	5.7	5.6	6.0	5.1	5.1	5.6	5.8	5.7	5.1	5.6	5.8	5.1
Terf2ip	6.4	5.7	6.0	6.8	5.4	6.4	6.5	6.0	6.1	7.4	6.7	7.1
Tert	1.2	1.9	1.7	0.9	1.2	1.7	1.2	1.2	1.3	1.5	1.2	1.1
Tes	8.9	3.6	1.6	12.8	10.9	10.6	7.3	2.3	4.0	17.6	13.6	6.7
Tesc	0.2	0.1	0.0	0.2	0.0	0.1	0.1	0.0	0.1	0.6	0.7	0.0
Tesk1	6.6	6.4	5.3	7.2	6.5	7.5	7.6	6.2	6.7	7.2	6.7	5.7
Tesk2	1.8	1.8	2.2	1.2	1.4	1.8	2.1	2.4	2.2	1.7	2.4	2.1
Tet1	0.0	0.1	0.2	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0
Tet2	1.0	1.3	1.4	1.0	1.3	1.2	1.2	1.4	1.1	1.4	1.4	1.6
Tet3	1.4	1.9	2.0	1.3	1.8	1.4	1.6	2.2	1.8	1.8	1.6	1.5
Tex10	6.0	6.6	5.0	6.2	6.2	5.9	6.4	5.6	5.8	7.8	6.6	5.0
Tex11	0.5	0.4	0.3	0.2	0.2	0.4	0.2	0.4	0.2	0.1	0.1	0.2
Tex14	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Tex15	0.4	0.5	0.5	0.2	0.4	0.3	0.3	0.1	0.2	0.4	0.6	0.4
Tex19.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex2	14.8	15.4	12.4	16.4	13.3	14.4	12.3	9.8	10.4	12.1	12.7	11.8
Tex22	0.2	0.1	0.1	0.0	0.1	0.2	0.2	0.0	0.1	0.1	0.1	0.0
Tex26	0.0	0.1	0.2	0.1	0.1	0.3	0.1	0.2	0.1	0.2	0.0	0.1
Tex261	32.2	29.4	26.8	36.4	29.4	34.1	30.9	27.5	26.1	26.4	25.7	23.9
Tex264	49.9	38.1	33.2	62.4	39.9	57.8	49.1	40.1	44.7	47.4	45.2	44.7
Tex30	1.4	2.3	2.1	1.3	3.0	1.2	1.8	1.8	2.6	2.8	3.6	2.1
Tex35	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1
Tex38	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
Tex9	1.1	1.0	1.4	1.0	0.8	1.1	1.2	1.0	0.9	0.7	1.2	0.9
Tfam	6.5	6.7	6.0	5.6	5.7	5.9	5.6	5.5	5.5	6.3	6.2	6.2
Tfap2a	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tfap2e	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Tfap4	0.5	0.8	0.7	1.0	0.8	1.0	0.7	0.6	0.5	0.7	0.4	0.6
Tfb1m	3.4	3.2	2.5	3.2	2.7	3.9	2.4	2.6	3.7	2.7	3.0	2.3
Tfb2m	10.2	10.5	9.4	11.6	10.4	11.4	11.1	11.0	10.2	12.4	12.7	13.6
Tfcp2	4.6	4.9	4.9	4.1	4.3	4.6	4.3	4.5	4.0	4.6	4.6	4.4
Tfcp211	0.8	0.5	0.3	0.5	0.5	0.4	0.3	0.4	0.3	0.9	0.9	0.4
Tfdp1	37.3	41.0	44.8	36.3	39.0	35.8	46.6	37.2	36.0	35.6	43.6	38.8
Tfdp2	10.1	9.6	8.0	9.5	7.0	8.5	8.0	6.9	7.4	7.6	9.0	8.1
Tfe3	9.3	10.2	10.6	10.5	11.5	9.4	12.2	12.9	10.5	10.5	10.2	10.0
Tfeb	2.8	3.6	3.3	2.0	3.2	2.4	3.7	3.6	3.6	4.1	3.2	3.6
Tfec	3.5	1.1	0.5	11.2	4.1	5.3	1.5	0.6	0.4	0.5	0.6	0.6
Tfg	32.0	37.0	35.8	35.8	33.6	31.7	40.7	44.1	38.6	35.5	43.5	40.6
Tfip11	8.0	10.0	9.7	9.2	9.6	9.2	11.3	10.2	8.8	9.5	9.0	8.8
Tfpi	68.0	67.3	56.8	87.3	63.6	104.6	67.4	50.3	63.1	72.2	73.7	71.8
Tfpi2	3.4	3.3	3.4	3.0	3.8	3.5	2.8	2.2	1.9	1.8	2.4	2.4
Tfpt	10.4	8.5	7.6	12.0	8.5	9.1	8.5	8.5	7.6	8.9	9.7	9.0
Tfr2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.5	0.6	0.5	0.4
Tfrc	6.4	6.3	3.9	9.5	7.5	8.2	3.9	5.0	3.3	4.9	5.3	4.1
Tg	2.1	1.6	0.9	2.5	2.5	1.3	3.0	3.3	3.4	1.2	2.0	1.5
Tgds	8.4	9.2	8.0	6.8	9.2	8.3	8.2	9.0	10.0	9.4	10.0	9.1
Tgfa	1.6	2.0	1.6	1.3	1.1	1.6	0.7	1.2	0.7	0.7	0.9	0.7
Tgfb1	1.3	1.5	1.4	2.9	4.4	2.3	2.0	2.3	1.8	2.5	1.6	2.0
Tgfb1i1	7.5	7.5	7.8	10.1	10.3	7.7	17.1	11.4	14.2	8.0	13.6	9.1
Tgfb2	14.3	13.5	16.6	14.9	11.7	10.1	9.1	10.9	10.0	7.8	8.7	11.8

Online Table 1

Tgfb3	40.3	39.3	41.8	37.1	28.8	32.6	38.6	41.9	40.9	49.5	56.9	48.4
Tgfbi	1.0	0.2	0.8	4.8	20.6	0.1	4.7	1.6	0.7	1.3	0.6	0.8
Tgfbr1	8.1	8.1	8.4	11.0	13.4	7.3	5.9	5.3	6.3	10.5	8.8	8.9
Tgfbr2	24.8	23.5	25.9	25.2	27.9	21.1	26.1	27.1	25.7	30.4	24.4	26.7
Tgfbr3	5.5	6.9	11.4	4.0	5.8	5.8	6.6	6.9	5.7	8.7	6.3	6.7
Tgfbrap1	5.4	5.3	4.5	5.8	4.9	5.8	5.5	4.9	4.9	4.0	4.8	4.3
Tgif1	23.2	21.2	20.0	29.0	29.5	28.2	25.3	29.6	21.5	23.9	22.8	21.7
Tgif2	0.9	1.2	1.1	0.8	1.0	0.7	1.1	1.2	1.1	1.1	1.1	1.0
Tgm1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.1
Tgm2	22.3	14.1	11.6	25.9	16.2	19.9	18.0	16.3	27.7	28.3	23.1	23.8
Tgm3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tgm4	2.9	2.6	1.8	2.2	2.3	2.6	1.9	1.8	2.0	1.7	1.9	1.7
Tgoln1	61.3	51.7	43.1	76.5	56.5	64.6	43.7	37.6	36.0	44.4	42.8	45.2
Tgoln2	72.2	53.8	49.5	76.7	55.0	63.5	47.6	37.2	37.3	47.6	45.2	52.3
Tgs1	4.1	4.7	4.9	3.9	4.9	4.3	4.3	4.1	4.0	5.0	4.7	4.6
Tgtp1	1.7	0.9	1.2	1.4	1.7	0.7	0.8	0.3	0.6	4.9	1.4	2.4
Tgtp2	1.7	1.1	1.6	1.8	2.1	1.1	1.0	0.4	0.8	4.0	1.6	2.6
Tha1	0.3	0.3	0.7	0.3	0.6	0.6	0.5	0.8	0.9	0.7	0.4	1.2
Thada	2.8	2.9	2.9	2.8	3.0	2.6	2.8	2.8	2.5	3.1	2.9	2.6
Thap1	3.2	3.6	3.4	3.0	3.3	3.0	3.4	2.9	2.7	3.4	3.9	3.6
Thap11	10.9	12.3	9.7	8.8	10.6	11.8	9.6	12.9	11.8	12.8	10.3	10.3
Thap2	1.5	2.0	1.9	1.4	1.9	1.9	2.1	2.2	2.1	2.0	2.1	1.9
Thap3	5.5	5.4	4.7	5.0	4.6	7.0	5.1	5.7	5.6	7.3	4.4	4.6
Thap4	15.2	15.3	12.3	13.1	11.6	14.6	13.5	11.3	11.4	13.7	13.1	11.9
Thap6	2.2	2.0	2.0	2.1	2.1	1.9	1.6	2.1	1.8	2.0	2.3	1.7
Thap7	10.9	9.3	10.3	13.5	10.8	14.0	13.8	13.0	12.1	12.8	11.5	11.5
Thbd	11.5	5.6	4.1	11.0	4.4	12.2	8.1	8.6	17.2	30.1	20.7	17.7
Thbs1	523.6	267.1	244.0	530.5	459.5	379.5	844.4	282.6	1068.5	988.7	1078.9	1279.1
Thbs2	53.1	106.5	137.9	43.8	86.5	36.6	76.2	106.9	113.5	101.7	74.9	122.6
Thbs3	0.9	1.9	2.9	0.8	1.6	0.9	2.3	3.8	2.7	1.4	2.0	1.9
Thbs4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Them4	4.1	4.0	3.6	4.5	3.0	4.9	3.3	3.6	4.1	3.3	5.0	3.5
Them6	0.6	0.6	0.8	0.6	0.8	0.5	0.7	0.9	1.0	0.5	0.4	0.7
Themis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Themis2	0.1	0.0	0.0	1.5	2.8	0.0	0.3	0.1	0.1	0.2	0.0	0.1
Thg1l	6.7	4.4	6.5	7.3	5.8	5.5	8.8	6.9	5.0	6.5	7.2	8.4
Thnsl1	2.5	2.2	2.1	2.4	2.0	3.1	1.3	1.7	2.2	2.1	2.0	2.0
Thnsl2	8.1	10.5	8.9	7.6	6.4	8.5	10.4	9.8	11.4	7.9	9.2	9.8
Thoc1	9.3	9.0	8.9	9.8	8.1	7.7	8.1	8.5	8.4	8.0	9.2	9.7
Thoc2	7.5	8.6	10.6	10.0	8.2	8.5	7.9	8.8	7.7	8.8	10.6	10.5
Thoc3	9.5	8.3	8.4	9.6	7.8	7.9	9.4	8.2	8.5	9.9	10.1	8.0
Thoc5	17.4	15.0	14.1	17.3	14.5	16.8	15.5	15.3	13.5	13.1	14.4	14.6
Thoc6	6.9	7.3	5.7	6.9	6.9	6.0	5.8	7.4	7.6	7.1	5.9	6.4
Thoc7	57.5	51.8	42.1	46.9	41.0	49.7	45.9	42.4	43.8	50.9	52.5	51.0
Thop1	9.1	8.7	7.8	7.4	7.9	10.7	9.1	10.1	7.5	8.3	8.4	7.2
Thpo	0.3	0.2	0.2	0.2	0.0	0.1	0.2	0.3	0.2	0.1	0.1	0.1
Thra	9.2	12.0	14.4	8.6	7.3	12.0	10.0	13.1	11.2	10.3	10.1	10.0
Thrap3	33.3	30.3	38.0	36.1	29.3	31.4	38.1	38.7	30.1	30.8	37.6	41.3
Thrb	1.5	2.1	2.2	2.3	1.5	2.8	1.0	1.1	1.0	1.8	1.7	1.5
Thrsp	0.1	0.0	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.1	0.0
Thsd1	0.3	0.3	0.5	0.3	0.4	0.2	0.3	0.5	0.3	0.4	0.2	0.3
Thsd4	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.5	0.2	0.1
Thsd7a	7.1	9.4	14.0	8.5	8.9	10.0	11.4	16.3	12.0	5.8	8.2	10.7
Thsd7b	0.8	1.5	2.1	0.5	0.6	0.3	0.4	1.1	0.3	0.3	0.5	0.4
Thtpa	4.2	3.5	3.7	4.1	3.1	4.4	3.2	4.5	3.7	4.3	3.9	4.0
Thumpd1	15.4	14.5	13.2	16.1	13.6	15.3	14.2	13.7	13.1	14.8	14.6	14.1
Thumpd2	4.0	3.8	4.6	2.7	3.5	2.8	3.4	3.4	3.5	4.7	3.8	4.4

Online Table 1

Thumpd3	14.7	13.7	11.9	15.5	13.8	16.7	12.4	10.3	10.3	13.7	14.6	15.8
Thy1	11.2	11.8	14.1	4.9	7.2	17.4	6.2	9.2	5.4	15.1	18.6	10.5
Thyn1	41.5	37.9	34.0	37.8	31.1	38.0	29.5	23.7	26.8	36.5	35.1	30.7
Tia1	4.7	4.8	4.9	5.6	4.5	5.2	4.6	4.8	5.0	4.9	5.5	4.9
Tial1	3.4	3.6	4.0	3.4	4.3	3.8	4.9	4.6	4.7	4.4	4.5	4.3
Tiam1	12.1	17.8	26.1	6.9	15.9	6.6	20.3	25.4	21.2	13.7	17.1	20.3
Tiam2	0.7	0.7	0.7	0.4	0.7	0.7	0.7	0.7	0.6	0.6	0.9	0.5
Ticam1	3.8	4.2	4.3	3.8	4.5	3.5	4.2	4.1	3.4	3.8	4.0	3.8
Ticam2	0.1	0.0	0.0	0.3	0.4	0.0	0.1	0.0	0.0	0.1	0.1	0.1
Ticrr	0.1	0.3	0.4	0.0	0.3	0.1	0.4	0.2	0.3	0.2	0.3	0.2
Tie1	0.5	0.1	0.2	0.3	0.2	0.1	0.4	0.7	0.5	0.1	0.0	0.1
Tifa	6.0	9.7	11.8	6.3	10.9	4.8	6.3	6.4	7.1	6.2	6.1	8.8
Tifab	0.1	0.0	0.0	0.5	1.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Tigd2	4.9	5.7	5.4	5.8	5.1	5.0	4.7	4.3	4.8	4.4	5.3	5.1
Tigd3	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Tigd4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Tigd5	0.9	1.1	0.9	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.7	0.8
Tigit	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Timeless	0.8	1.3	2.2	0.8	1.6	0.3	1.9	1.7	1.3	0.8	1.2	1.0
Timm10	12.9	8.3	7.4	10.6	9.9	11.2	10.9	10.4	8.3	11.4	9.6	10.2
Timm10b	17.8	16.8	13.7	20.3	19.0	14.0	16.7	18.4	18.2	16.2	17.4	13.3
Timm13	18.2	15.1	12.6	17.5	17.7	18.2	18.0	16.7	16.9	18.9	18.2	13.5
Timm17a	77.9	67.9	66.8	81.9	72.3	74.3	81.4	64.8	72.5	78.1	83.6	82.8
Timm17b	9.5	10.3	8.4	8.3	8.5	7.7	9.3	10.7	10.2	10.8	9.3	10.6
Timm21	15.3	13.0	15.6	14.2	11.6	18.0	12.5	14.3	14.2	13.8	15.9	15.6
Timm22	7.9	7.4	6.0	8.0	7.3	7.7	7.2	6.8	7.6	8.6	7.3	7.4
Timm23	88.1	75.7	72.1	89.5	72.5	78.1	72.9	67.0	63.4	64.6	69.2	70.9
Timm44	18.9	17.6	17.1	17.1	15.0	16.4	15.2	14.3	15.6	16.4	16.8	15.7
Timm50	13.7	13.4	10.7	14.3	13.2	13.8	13.3	11.8	13.1	13.3	11.9	10.8
Timm8a1	10.0	6.8	6.1	10.7	9.8	7.8	7.1	7.9	6.8	9.2	7.3	7.3
Timm8b	91.0	69.8	65.7	100.4	71.1	84.9	55.5	67.6	55.4	83.8	88.9	79.4
Timm9	9.2	7.6	6.1	7.8	8.6	7.2	8.1	6.9	8.1	8.6	8.7	6.9
Timmdc1	17.8	16.6	15.0	17.8	13.9	18.8	16.2	14.9	13.7	16.6	17.2	16.7
Timp1	487.0	394.3	441.0	349.8	508.2	344.9	857.5	498.7	503.2	772.2	649.1	823.3
Timp2	310.8	182.0	156.2	326.7	200.0	333.8	218.1	174.6	166.1	266.8	238.5	233.1
Timp3	794.7	771.6	1044.6	487.0	729.1	418.2	1136.4	1325.8	1241.5	1141.2	1211.1	1457.6
Timp4	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tinagl1	78.8	29.3	13.2	25.5	12.1	23.2	18.6	17.5	26.2	106.6	73.3	55.0
Tinf2	3.6	5.1	5.9	2.5	4.8	3.4	5.2	5.0	5.4	4.7	4.2	3.7
Tiparp	6.0	6.7	6.1	5.2	6.0	4.8	5.9	8.0	9.1	10.4	9.1	9.0
Tipin	15.0	19.6	22.2	14.9	17.7	14.5	21.4	15.9	16.4	14.7	20.4	18.7
Tiprl	8.2	8.5	7.6	8.0	8.1	7.4	8.6	7.1	8.3	8.1	8.6	8.6
Tirap	3.0	2.6	3.1	2.6	3.3	2.5	3.6	3.4	3.2	2.7	3.2	2.9
Tjap1	6.7	7.7	6.1	6.6	6.5	6.6	7.9	6.4	6.8	6.5	6.4	5.5
Tjp1	11.0	11.3	12.7	10.8	9.9	10.5	13.0	15.3	12.3	14.4	14.9	15.7
Tjp2	5.1	3.2	3.2	5.4	4.8	4.0	3.8	3.0	2.6	6.3	5.2	4.1
Tjp3	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tk1	1.9	4.1	6.0	0.9	5.6	0.7	8.7	5.0	7.2	3.4	5.8	3.5
Tk2	14.2	10.9	10.1	16.8	11.4	17.3	10.8	7.5	9.8	10.6	8.5	11.7
Tkt	87.1	79.5	73.9	102.2	92.1	104.3	84.9	86.2	69.5	64.5	79.2	67.8
Tktl1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1
Tlcd1	3.7	5.2	5.9	2.8	2.9	4.2	5.6	7.8	8.1	4.1	5.8	4.7
Tlcd2	9.5	14.2	11.5	5.4	6.9	12.8	9.4	15.2	10.1	5.4	10.4	6.2
Tle1	2.4	1.6	1.4	2.9	2.6	2.4	1.6	2.5	1.5	3.0	2.0	1.7
Tle2	1.0	1.9	2.4	0.7	1.1	1.0	1.6	1.8	2.8	1.2	1.2	1.8
Tle3	5.3	6.7	6.0	5.4	6.0	5.1	7.2	5.3	5.9	6.3	5.9	4.7
Tle4	1.7	1.7	1.5	2.2	2.1	1.1	1.1	0.8	1.1	0.9	1.0	0.8

Online Table 1

Tle6	10.7	12.8	10.2	12.1	8.9	12.2	11.6	11.5	11.4	6.7	9.8	8.7
Tlk1	12.5	12.7	12.8	17.1	12.6	14.1	13.2	12.2	11.7	11.1	14.5	12.9
Tlk2	10.8	10.0	9.9	11.1	8.6	10.8	10.0	10.3	8.8	9.2	10.5	11.0
Tll1	0.7	0.3	0.2	0.5	0.3	1.6	0.7	0.5	0.5	2.3	2.1	1.0
Tll2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tln1	80.3	68.4	60.6	80.3	90.7	60.8	82.7	67.4	77.3	78.2	75.4	67.8
Tln2	33.2	32.5	33.2	36.1	31.7	26.3	35.1	41.9	31.7	19.5	25.0	27.5
Tlr1	0.2	0.3	0.3	0.5	1.3	0.1	0.4	0.1	0.3	0.2	0.1	0.2
Tlr13	1.4	0.0	0.1	9.4	15.1	0.0	1.2	0.1	0.2	0.7	0.4	0.7
Tlr2	5.2	5.0	8.0	7.0	14.0	5.3	4.6	6.4	3.3	4.1	3.0	4.8
Tlr3	3.4	3.6	4.6	5.0	4.6	4.1	4.2	3.6	3.2	2.7	3.2	3.7
Tlr4	12.8	11.5	10.1	16.0	14.8	12.8	8.2	7.7	7.5	13.0	10.5	11.3
Tlr5	1.6	2.1	1.4	1.3	1.3	1.8	1.4	1.7	1.5	1.1	1.7	1.4
Tlr6	1.3	1.1	1.0	1.7	1.3	1.3	1.2	1.2	1.2	1.0	1.3	1.3
Tlr7	0.3	0.0	0.0	2.6	2.9	0.0	0.2	0.1	0.0	0.2	0.1	0.3
Tlr8	0.3	0.0	0.0	2.1	2.3	0.0	0.2	0.0	0.0	0.1	0.1	0.1
Tlr9	0.0	0.1	0.0	0.2	0.4	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Tm2d1	20.1	22.5	20.2	22.3	23.3	22.5	21.0	22.8	25.7	22.9	25.9	23.5
Tm2d2	83.2	75.5	64.8	68.4	75.6	73.1	72.5	61.5	69.9	82.6	72.6	70.6
Tm2d3	17.7	13.9	16.7	18.7	15.0	21.3	13.8	16.4	15.2	18.2	15.8	16.3
Tm4sf1	75.7	58.2	46.2	36.5	40.7	47.0	35.2	36.9	50.3	60.7	56.5	58.1
Tm4sf19	0.1	0.0	0.1	0.0	0.3	0.0	0.1	0.0	0.1	0.2	0.2	0.2
Tm4sf20	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Tm4sf4	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.0
Tm6sf1	0.9	0.2	0.2	3.5	6.6	0.1	1.0	0.3	0.3	0.7	0.3	0.6
Tm6sf2	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.0
Tm7sf2	3.6	4.8	4.8	2.2	2.2	3.0	8.2	14.6	10.5	3.6	9.0	3.9
Tm7sf3	15.9	15.6	14.5	16.3	12.3	22.2	11.5	12.7	13.3	14.8	13.4	14.5
Tm9sf1	27.0	26.9	23.5	29.3	27.5	27.6	27.6	27.3	28.3	26.4	23.6	24.8
Tm9sf2	58.4	56.4	53.5	57.4	56.6	58.4	55.2	58.9	63.7	63.2	61.3	64.6
Tm9sf3	51.2	46.7	50.2	65.2	57.1	58.6	56.2	50.5	54.3	65.1	63.4	65.5
Tm9sf4	25.5	23.9	24.1	24.6	23.0	24.4	25.8	24.4	21.9	21.7	22.0	22.7
Tma16	9.1	5.7	5.4	10.5	10.4	7.0	6.4	5.2	5.4	6.7	8.1	6.8
Tma7	170.0	156.7	165.4	191.9	150.2	160.4	152.5	157.5	144.2	169.5	195.1	171.6
Tmbim1	97.7	78.6	65.5	96.4	77.8	84.5	85.1	81.6	79.3	67.5	77.8	71.5
Tmbim4	59.4	53.8	43.6	60.3	60.3	54.3	44.7	44.5	42.5	64.3	54.0	50.9
Tmbim6	159.5	152.1	141.3	175.7	168.3	151.8	169.1	168.0	178.9	169.1	162.3	158.8
Tmc3	0.3	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Tmc4	0.6	0.7	1.1	0.6	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.5
Tmc5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmc6	11.7	11.2	9.2	10.2	9.5	10.2	9.8	13.1	11.6	13.2	10.2	10.4
Tmc7	1.1	1.8	1.3	1.1	1.2	1.5	0.8	1.1	0.9	0.7	0.8	0.7
Tmc8	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.2	0.1	0.2
Tmcc1	5.1	4.9	4.2	5.5	4.4	4.5	4.5	4.5	4.4	4.5	4.9	4.7
Tmcc2	6.6	7.4	6.6	7.7	7.7	9.7	8.2	6.1	6.8	5.2	6.7	5.5
Tmcc3	3.2	4.3	4.5	3.6	3.8	3.2	3.8	3.6	3.7	2.8	2.9	3.5
Tmco1	16.4	15.1	14.9	18.7	15.3	15.0	14.1	12.5	14.0	19.1	17.3	18.2
Tmco3	14.6	11.7	10.9	16.8	13.5	16.0	14.4	10.6	12.1	12.4	13.7	13.1
Tmco4	2.5	2.9	3.1	3.1	2.9	3.1	2.9	2.9	3.0	3.3	3.6	3.1
Tmco6	3.5	3.6	3.8	2.8	3.1	3.9	3.0	4.8	4.7	3.5	3.3	3.3
Tmed1	10.4	14.0	15.7	10.6	12.6	10.7	13.4	16.0	17.7	16.2	11.9	15.9
Tmed10	44.4	40.4	43.2	54.6	50.2	52.9	47.9	46.9	48.0	48.3	48.7	51.8
Tmed2	207.5	169.8	172.8	241.9	188.3	200.1	223.1	195.1	191.8	211.7	239.1	234.6
Tmed3	139.4	119.7	124.6	145.8	123.8	125.1	142.4	118.6	126.1	137.8	143.3	153.6
Tmed4	39.6	34.2	29.4	43.1	32.2	47.9	28.8	30.7	30.4	36.3	34.4	32.9
Tmed5	14.8	14.9	15.8	24.7	16.9	19.9	16.4	13.8	12.9	14.4	22.4	19.1
Tmed7	38.3	36.1	38.6	44.4	37.2	48.0	36.3	37.6	37.1	41.6	46.4	48.6

Online Table 1

Tmed8	5.3	5.6	5.0	5.5	5.5	5.1	4.5	3.8	4.2	4.6	4.2	4.2
Tmed9	94.0	97.0	85.7	104.8	100.5	105.0	95.0	95.0	102.6	103.7	91.0	92.9
Tmeff1	19.5	16.4	13.4	21.5	18.3	19.1	15.3	5.3	8.7	14.3	16.7	16.5
Tmeff2	5.5	2.9	2.5	2.8	2.4	2.6	4.8	3.1	3.2	9.6	8.1	7.6
Tmem100	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Tmem101	5.7	5.6	4.7	6.4	5.5	6.4	4.8	6.1	5.0	6.6	5.0	5.7
Tmem104	4.6	4.2	3.2	5.3	4.9	5.4	4.6	3.9	3.4	4.1	3.0	2.7
Tmem106a	3.9	4.5	4.0	9.0	8.6	6.0	4.5	3.8	4.0	2.6	2.7	3.4
Tmem106b	30.5	30.0	36.2	33.7	27.4	36.8	32.6	35.0	30.6	30.3	36.9	37.3
Tmem106c	15.3	15.3	12.3	16.4	12.8	22.1	11.9	12.0	11.6	13.8	13.7	14.0
Tmem107	2.1	3.1	2.7	2.6	3.2	3.6	2.7	3.1	3.2	2.0	2.7	3.2
Tmem108	1.1	0.6	0.6	0.3	0.2	0.1	0.2	0.7	0.4	6.8	3.0	1.3
Tmem109	15.9	14.6	14.3	17.4	18.1	17.8	17.2	16.1	16.9	16.4	15.0	12.2
Tmem11	11.1	9.4	10.8	16.0	10.1	13.9	14.3	12.7	12.4	12.3	13.2	14.1
Tmem110	3.9	3.9	4.0	3.4	3.6	4.0	4.5	4.3	4.8	3.8	4.1	4.3
Tmem115	19.1	17.1	13.6	18.8	18.0	19.8	19.0	16.9	19.9	18.9	18.1	16.1
Tmem116	0.7	0.6	0.3	0.8	0.4	0.8	0.3	0.3	0.2	0.6	0.3	0.6
Tmem117	2.6	0.8	0.3	0.7	0.2	1.8	0.3	0.2	0.1	0.6	0.7	0.6
Tmem119	8.3	9.8	11.7	8.7	6.5	4.6	10.9	13.3	16.0	9.8	7.9	11.6
Tmem120a	13.6	11.8	11.2	14.6	13.7	13.0	13.8	15.0	13.0	14.4	14.7	13.3
Tmem120b	2.3	1.6	1.4	2.2	1.7	1.6	2.0	2.5	2.3	1.6	1.9	1.5
Tmem121	0.9	0.9	1.0	0.7	1.1	0.9	1.0	0.9	1.1	0.9	0.9	1.3
Tmem123	25.8	27.2	38.9	34.9	42.4	30.0	41.4	40.9	50.7	36.3	42.7	57.2
Tmem125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
Tmem126a	59.4	58.1	40.8	68.6	52.6	68.3	45.3	41.4	54.2	46.4	53.2	44.8
Tmem126b	22.9	21.0	19.5	25.1	19.8	21.8	19.8	13.4	21.1	22.5	21.5	23.3
Tmem127	25.9	24.1	24.0	26.6	24.7	22.9	25.4	23.1	23.4	25.7	25.3	26.5
Tmem128	31.4	33.9	28.0	28.1	31.4	28.1	32.2	31.4	37.8	30.2	32.6	30.6
Tmem129	16.5	15.0	13.9	15.9	13.7	16.4	16.7	12.2	16.3	12.6	14.3	13.2
Tmem130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Tmem131	4.8	5.6	6.0	5.5	6.2	5.5	6.5	5.0	4.9	4.9	5.3	4.4
Tmem132a	9.0	7.5	7.4	10.4	10.6	11.4	9.1	8.6	9.5	10.5	7.9	6.1
Tmem132b	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tmem132c	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Tmem132d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem132e	0.1	0.2	0.0	0.3	0.2	0.4	0.4	0.1	0.2	0.1	0.1	0.0
Tmem134	32.7	27.3	24.2	30.1	30.2	36.8	27.1	28.4	27.1	30.1	25.5	26.2
Tmem135	9.6	10.5	10.4	7.6	9.3	7.9	8.2	9.5	9.1	8.7	9.2	9.0
Tmem136	0.3	0.7	0.6	0.4	0.3	0.9	0.8	0.7	0.5	0.5	0.3	0.5
Tmem138	5.5	4.8	2.6	2.9	4.6	5.2	3.9	3.5	4.6	5.3	3.6	3.4
Tmem140	0.9	0.5	0.6	1.8	1.2	1.5	0.7	0.6	0.8	0.7	0.5	1.0
Tmem141	10.8	8.1	7.4	11.7	9.3	11.7	7.4	7.8	7.0	8.4	9.8	9.0
Tmem143	6.5	6.6	5.3	7.5	5.2	8.2	5.7	6.2	6.3	6.2	5.8	5.4
Tmem144	1.4	1.4	1.2	1.0	1.4	1.4	0.9	0.7	0.9	1.0	1.0	0.9
Tmem147	41.8	36.2	30.1	37.4	36.8	37.9	38.0	40.7	35.9	41.6	37.2	31.8
Tmem14a	4.9	5.3	4.8	4.8	5.5	7.0	4.6	4.8	5.1	6.0	6.7	6.6
Tmem14c	57.1	58.6	60.9	58.0	64.0	56.1	64.4	62.2	66.1	60.8	60.8	65.4
Tmem150a	10.6	13.3	15.5	10.3	12.0	12.2	16.6	20.9	21.8	16.1	15.8	16.5
Tmem150b	0.4	0.3	0.3	0.3	0.6	0.3	0.4	0.2	0.4	0.3	0.6	0.4
Tmem150c	0.2	0.2	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Tmem151a	16.5	11.4	9.4	13.0	8.9	12.6	14.7	13.0	10.2	15.5	15.3	13.8
Tmem151b	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem154	3.0	1.2	1.7	1.5	1.3	1.2	1.0	1.2	0.9	2.1	1.9	1.5
Tmem158	0.6	0.3	0.2	0.8	0.8	0.7	0.4	0.7	0.5	0.6	0.4	0.4
Tmem159	35.9	36.4	39.8	44.8	42.4	45.1	51.1	50.7	46.2	38.4	49.3	42.1
Tmem160	57.7	59.6	51.4	50.4	49.2	43.3	57.8	45.4	56.8	53.8	53.7	64.3
Tmem161a	11.2	9.7	10.0	11.0	8.5	12.9	10.2	10.5	10.4	9.8	9.8	9.7

Online Table 1

Tmem161b	2.8	3.1	3.2	2.4	3.4	2.9	3.1	2.9	2.8	2.4	2.4	2.5
Tmem163	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem164	6.7	7.7	8.1	7.3	9.3	5.6	6.3	8.9	7.3	6.1	6.2	6.8
Tmem165	29.2	29.4	30.7	25.9	27.3	28.3	30.0	29.8	35.8	34.0	34.8	34.7
Tmem167	6.9	7.1	6.2	6.8	7.5	6.4	6.3	7.0	7.8	8.1	8.5	7.4
Tmem167b	37.6	31.0	30.9	37.8	31.3	36.6	30.1	30.5	31.3	33.6	37.7	37.3
Tmem168	8.7	9.3	9.9	9.8	10.9	9.6	10.8	10.9	13.2	12.1	12.6	12.8
Tmem169	0.1	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Tmem17	1.6	0.7	1.5	1.5	1.1	1.4	1.9	2.1	2.5	1.0	1.6	1.8
Tmem170	1.1	1.7	1.6	1.4	1.1	1.5	1.2	1.1	1.5	1.3	1.5	1.0
Tmem170b	2.1	2.9	2.7	2.1	2.4	2.1	2.1	2.1	2.2	2.0	2.0	1.9
Tmem171	0.2	0.0	0.0	1.7	2.3	0.1	0.1	0.0	0.1	0.2	0.0	0.1
Tmem173	6.7	7.1	9.3	9.7	13.8	4.8	9.3	8.6	8.1	12.4	8.9	8.3
Tmem175	7.5	6.5	6.5	7.6	6.7	7.1	6.8	6.9	7.2	6.4	7.3	7.1
Tmem176a	67.1	59.5	58.3	74.0	73.0	53.7	62.0	37.0	52.0	54.3	34.1	54.4
Tmem176b	112.1	82.1	85.5	113.7	106.2	71.3	87.3	63.6	77.9	93.2	58.8	83.8
Tmem177	2.2	2.0	1.8	2.1	1.9	2.0	1.7	1.7	1.8	1.7	1.8	1.8
Tmem178	0.2	1.0	1.4	0.2	0.7	0.1	0.4	1.0	1.8	0.3	0.3	0.9
Tmem178b	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tmem179	0.4	0.1	0.1	0.9	0.1	1.2	0.1	0.1	0.1	0.4	0.2	0.1
Tmem179b	19.5	21.5	18.4	20.7	20.8	22.0	23.0	21.0	23.5	22.0	18.2	23.9
Tmem18	9.4	10.2	10.5	9.6	9.6	9.3	8.6	9.2	9.1	8.7	8.6	9.8
Tmem180	0.2	0.1	0.1	0.3	0.5	0.2	0.4	0.2	0.1	0.1	0.1	0.1
Tmem181a	19.0	18.0	17.0	18.6	18.0	20.9	17.8	17.2	17.4	15.6	14.8	15.6
Tmem181b-ps	6.0	5.9	5.1	6.0	6.4	6.6	5.9	5.5	6.0	5.0	5.3	5.1
Tmem181c-ps	4.7	4.7	4.2	4.0	4.9	5.3	4.4	4.3	4.5	4.1	4.0	4.3
Tmem183a	15.5	15.3	12.8	13.0	13.6	16.0	14.4	13.0	17.0	15.1	16.3	14.9
Tmem184a	1.7	1.3	1.4	1.3	0.8	1.2	1.1	1.7	1.2	1.1	2.0	0.7
Tmem184b	24.1	27.1	22.2	30.5	27.7	28.0	27.4	20.2	21.1	19.5	21.1	18.6
Tmem184c	27.2	26.8	29.9	24.8	24.8	25.1	28.7	27.1	24.7	28.7	32.4	32.8
Tmem185b	5.5	5.3	4.9	5.2	5.9	4.9	5.3	5.9	6.2	6.5	5.9	5.6
Tmem186	3.5	3.2	4.1	4.8	3.8	3.4	4.2	3.3	3.4	3.5	3.9	4.1
Tmem189	23.2	21.4	21.2	29.9	29.0	23.0	24.5	23.3	23.0	19.1	24.2	20.9
Tmem19	11.4	13.0	13.9	9.6	14.1	10.7	12.9	12.3	14.4	11.9	12.4	12.5
Tmem191c	0.2	0.1	0.1	0.1	0.2	0.3	0.1	0.3	0.2	0.1	0.0	0.2
Tmem192	16.9	10.8	9.7	18.3	13.6	14.9	12.5	9.7	8.5	11.1	10.9	10.8
Tmem194	1.1	1.4	1.8	0.8	1.7	0.9	2.0	1.2	1.5	1.1	1.6	1.5
Tmem194b	0.6	0.9	1.1	0.4	0.9	0.7	0.6	0.7	0.8	0.6	0.5	0.7
Tmem198	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.2	0.3	0.2
Tmem198b	8.0	8.2	9.2	6.4	8.1	7.1	8.8	9.4	9.4	9.2	8.4	9.7
Tmem199	18.9	16.2	13.8	17.0	15.1	17.9	12.8	11.1	13.0	13.2	14.3	14.8
Tmem2	4.5	4.4	5.4	3.2	4.8	3.1	5.4	5.7	5.5	9.7	7.1	6.0
Tmem200a	0.6	0.8	1.2	0.6	1.2	0.9	2.7	0.7	1.9	1.8	1.8	2.0
Tmem200b	1.1	1.0	1.3	0.5	0.4	0.7	0.9	1.1	1.5	1.2	0.9	0.6
Tmem200c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem201	2.1	2.7	2.4	2.4	2.3	3.0	2.7	2.4	2.6	2.5	2.0	2.1
Tmem202	2.8	1.8	1.4	4.7	1.7	3.3	1.7	1.5	1.6	3.7	2.2	3.1
Tmem203	7.4	8.0	7.0	7.8	8.3	10.7	7.3	7.5	7.6	10.5	5.3	7.4
Tmem204	7.7	7.8	6.2	13.0	11.7	8.5	11.5	6.5	7.8	7.4	5.2	6.3
Tmem205	34.7	29.4	20.3	32.9	29.6	39.6	20.8	24.7	30.2	30.4	25.1	21.8
Tmem206	2.2	1.9	1.6	3.8	3.3	2.5	2.1	1.5	1.8	2.2	1.9	1.8
Tmem208	26.6	23.0	20.3	26.2	30.1	26.1	28.8	28.7	31.0	34.0	28.4	28.9
Tmem209	8.8	8.0	7.4	10.7	8.4	9.3	8.4	7.9	7.9	7.1	8.4	7.2
Tmem214	17.5	15.1	15.4	20.1	15.5	16.6	18.4	17.9	17.0	16.3	19.1	16.9
Tmem215	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Tmem216	4.4	4.4	3.9	4.9	3.9	4.3	3.2	3.7	4.1	4.0	3.9	3.1
Tmem217	0.1	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1

Online Table 1

Tmem218	14.9	13.0	12.4	14.8	10.4	15.8	12.5	8.7	12.4	11.8	14.1	15.2
Tmem219	20.3	15.5	14.9	15.6	17.0	18.1	14.9	16.2	17.3	15.9	14.2	16.2
Tmem220	2.0	2.9	2.8	2.8	2.1	2.5	1.4	2.0	1.8	1.5	1.9	1.3
Tmem221	0.1	0.0	0.0	0.4	0.3	0.0	0.1	0.0	0.1	0.2	0.0	0.1
Tmem222	15.8	14.8	13.8	15.5	15.1	16.7	16.4	14.3	15.7	16.6	15.4	14.9
Tmem223	25.5	23.5	22.9	32.2	22.3	29.9	25.0	25.2	22.1	22.9	23.7	23.7
Tmem229b	1.1	1.0	1.5	1.9	2.6	1.1	1.4	1.2	1.1	1.2	1.2	1.0
Tmem230	15.3	14.8	13.5	14.2	15.2	13.0	12.0	12.2	13.4	14.5	14.1	13.6
Tmem231	3.9	3.7	3.5	3.3	2.4	5.4	3.7	3.4	2.7	3.6	3.4	3.5
Tmem232	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem234	37.6	32.9	29.9	32.5	37.7	32.2	33.0	40.5	34.1	35.6	36.7	34.9
Tmem236	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem237	12.0	10.6	11.7	10.7	10.5	11.7	14.1	14.0	12.1	12.7	13.3	12.8
Tmem238	1.3	0.7	0.5	0.9	0.8	0.9	1.4	1.0	0.8	1.4	0.8	1.2
Tmem239	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tmem240	0.2	0.0	0.1	0.1	0.2	0.3	0.1	0.2	0.2	0.2	0.3	0.1
Tmem241	2.0	2.5	2.1	2.2	1.8	1.8	1.3	1.8	1.8	1.7	2.0	2.0
Tmem242	51.8	43.9	41.2	49.2	42.8	55.0	41.2	41.9	42.5	49.6	48.1	51.9
Tmem243	2.1	2.7	3.1	4.0	5.0	3.1	2.9	2.2	1.9	2.4	2.1	2.4
Tmem245	6.2	5.3	4.9	5.7	4.8	6.2	5.0	4.3	4.4	5.5	5.3	4.4
Tmem246	2.2	1.8	1.7	2.2	1.3	2.7	1.9	2.1	2.1	1.3	1.2	1.5
Tmem248	26.1	24.2	21.2	27.4	21.8	27.2	24.9	22.0	20.4	19.5	21.8	21.7
Tmem25	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.0
Tmem251	5.2	4.6	4.7	6.4	6.0	6.5	4.9	4.7	5.3	6.0	5.1	5.2
Tmem253	0.5	0.3	0.8	1.0	0.5	0.8	0.2	0.6	0.5	0.3	0.3	0.5
Tmem254a	0.7	1.2	0.9	1.1	0.7	0.5	0.6	0.8	0.8	0.5	0.9	0.5
Tmem254b	11.1	11.3	12.6	9.7	11.0	11.0	12.7	12.3	12.4	8.4	11.8	10.6
Tmem254c	3.9	1.5	2.1	3.0	0.4	2.9	0.2	6.1	1.5	2.8	3.5	0.4
Tmem255a	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Tmem255b	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1
Tmem256	73.3	64.7	51.3	55.3	71.8	73.0	57.0	73.1	73.6	60.7	58.3	54.8
Tmem258	161.3	157.8	147.4	165.3	152.4	161.3	162.9	162.0	160.8	150.2	177.4	164.3
Tmem259	34.2	33.3	32.2	35.0	33.1	30.3	44.9	39.3	40.6	33.5	35.8	32.0
Tmem26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem27	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Tmem29	6.0	5.7	6.0	5.8	5.2	4.7	7.5	7.6	6.8	5.9	7.5	6.7
Tmem30a	48.9	49.3	49.5	59.1	54.7	62.8	48.3	41.2	51.5	53.0	54.4	58.8
Tmem30b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Tmem33	14.1	14.9	14.4	19.9	13.8	17.9	14.1	10.9	13.4	16.7	17.3	15.9
Tmem35	0.4	0.7	1.1	0.2	1.2	0.6	0.5	0.4	0.5	1.3	1.5	0.6
Tmem37	24.7	17.0	6.3	47.8	17.6	41.7	12.5	6.7	9.0	11.4	9.7	6.2
Tmem38a	3.6	3.0	2.6	4.0	3.8	3.3	4.1	4.1	3.6	4.0	3.8	3.6
Tmem38b	7.2	7.4	8.6	10.1	8.3	6.3	7.8	8.2	11.1	8.6	8.7	9.7
Tmem39a	12.6	13.6	12.4	10.3	14.5	9.9	13.7	14.9	17.8	14.1	13.8	13.7
Tmem39b	1.1	1.6	1.2	1.2	1.3	1.2	1.7	1.8	1.6	1.5	1.6	1.1
Tmem40	0.7	0.4	0.5	0.6	0.4	0.3	0.4	0.5	0.3	0.3	0.2	0.3
Tmem41a	5.1	5.3	3.1	8.0	5.1	5.3	4.8	3.6	4.5	6.0	4.7	4.7
Tmem41b	11.9	12.5	11.4	11.1	9.8	11.2	12.7	12.1	12.6	11.5	14.3	11.3
Tmem42	4.2	2.6	2.7	3.4	3.4	3.1	2.6	3.1	3.5	3.3	3.8	3.9
Tmem43	55.4	49.4	49.5	66.7	52.5	67.7	50.3	63.0	45.9	42.3	46.1	42.6
Tmem44	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.4	0.3	0.2
Tmem45a	112.5	153.7	208.7	72.5	140.0	63.0	159.6	175.3	157.4	141.7	152.4	182.3
Tmem45b	0.1	0.1	0.1	0.0	0.1	0.1	0.3	0.1	0.1	0.3	0.0	0.1
Tmem47	0.7	0.7	1.3	0.8	1.2	1.5	2.6	2.1	2.5	1.8	2.7	1.9
Tmem48	5.4	6.0	6.2	7.1	6.9	6.2	7.2	5.0	5.8	5.5	6.3	4.5
Tmem5	54.0	43.5	39.3	47.1	40.2	48.5	46.0	37.3	44.5	45.0	48.4	47.4
Tmem50a	100.8	80.7	78.8	121.1	89.5	108.7	93.4	83.2	84.6	91.8	92.4	100.6

Online Table 1

Tmem50b	11.7	9.2	8.3	11.3	11.3	8.6	11.7	9.4	10.1	10.1	12.6	9.9
Tmem51	0.3	0.3	0.3	0.4	0.7	0.1	0.3	0.2	0.4	0.5	0.6	0.2
Tmem51as1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem52	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Tmem52b	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Tmem53	7.7	6.7	7.7	7.0	5.6	6.0	7.3	6.7	8.6	7.6	5.4	6.8
Tmem54	0.5	0.2	0.2	0.3	0.3	0.1	0.3	0.0	0.2	0.0	0.1	0.2
Tmem55a	13.7	13.2	13.8	15.6	12.5	16.2	12.0	13.5	12.9	14.7	15.2	14.7
Tmem55b	19.9	21.1	16.9	18.0	17.0	19.4	18.8	18.3	18.0	17.5	17.1	16.1
Tmem56	0.3	0.1	0.1	0.7	0.1	0.5	0.2	0.1	0.1	0.2	0.1	0.2
Tmem57	13.6	13.7	13.8	14.6	11.8	14.3	15.7	14.6	13.5	13.9	16.9	15.0
Tmem59	191.1	179.9	146.9	187.7	188.9	198.0	164.1	148.2	192.8	196.7	157.4	178.9
Tmem59l	2.3	1.9	0.6	0.7	0.8	3.4	2.2	1.0	0.7	1.0	1.5	1.2
Tmem60	11.6	10.6	9.9	11.0	11.5	12.6	9.3	9.1	10.4	13.9	9.6	9.4
Tmem62	6.8	7.7	6.1	6.6	5.1	6.1	7.3	6.7	8.9	6.5	7.6	7.8
Tmem63a	14.0	14.8	14.5	11.9	15.9	11.8	22.4	18.9	18.9	18.4	18.6	15.2
Tmem63b	9.6	9.2	9.5	10.2	9.0	10.0	10.7	8.7	10.0	10.6	10.6	8.4
Tmem63c	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem64	9.3	12.0	14.6	7.4	10.4	7.6	11.3	15.7	17.0	11.4	12.0	13.4
Tmem65	12.3	13.1	13.6	11.4	10.3	13.7	13.0	11.3	13.2	11.4	13.9	13.3
Tmem66	129.9	118.4	84.6	144.1	113.6	136.3	111.8	89.6	113.0	125.8	103.6	115.7
Tmem67	2.4	2.9	2.6	2.4	2.3	2.4	2.3	2.6	2.1	2.2	2.9	2.4
Tmem68	5.6	5.8	6.3	6.4	6.9	6.4	6.1	5.5	5.8	6.6	6.3	6.5
Tmem69	2.5	1.8	2.2	2.6	2.2	2.4	2.1	1.9	1.6	2.1	2.1	2.2
Tmem70	16.2	15.7	12.8	13.5	15.1	11.8	15.1	13.1	15.7	18.3	18.0	14.8
Tmem71	1.1	0.7	0.3	1.3	1.2	0.9	0.5	0.2	0.3	0.1	0.2	0.2
Tmem72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem74	0.1	0.2	0.0	0.0	0.1	0.1	0.3	0.0	0.2	0.1	0.2	0.0
Tmem74b	0.2	0.0	0.0	0.2	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Tmem79	1.0	0.6	0.6	1.1	1.1	1.0	0.8	0.7	0.6	0.7	0.8	0.6
Tmem8	0.6	0.6	0.4	1.6	0.9	0.8	0.6	0.3	0.3	0.8	0.7	0.5
Tmem80	7.5	6.2	5.3	8.4	6.2	6.9	6.1	6.2	6.5	6.2	8.1	6.3
Tmem81	1.2	1.5	1.2	1.3	1.2	1.3	1.1	1.2	1.1	1.3	0.9	1.1
Tmem82	0.1	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Tmem86a	2.6	2.1	3.0	3.7	5.0	2.7	2.4	2.8	3.4	3.7	2.0	3.4
Tmem86b	0.4	0.3	0.2	0.2	0.4	0.1	0.3	0.2	0.1	0.3	0.3	0.1
Tmem87a	8.5	9.7	10.1	9.5	10.1	9.2	9.8	12.2	10.6	10.6	10.1	11.6
Tmem87b	15.5	15.2	14.8	15.4	12.8	16.4	13.9	12.4	14.7	14.9	13.9	16.4
Tmem88	3.4	3.3	3.0	3.2	2.7	4.1	3.4	3.6	3.5	4.1	4.6	4.3
Tmem88b	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1
Tmem8b	0.9	1.1	0.7	0.7	0.5	1.1	0.5	0.5	0.5	0.4	0.5	0.5
Tmem8c	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Tmem9	12.7	13.8	13.1	11.6	11.5	13.7	13.2	15.9	13.7	12.0	12.6	11.5
Tmem91	0.3	0.2	0.1	0.2	0.3	0.6	0.0	0.6	0.3	0.1	0.5	0.3
Tmem95	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.1	0.4
Tmem97	23.5	24.1	24.5	15.4	22.6	16.8	35.7	38.5	33.1	18.6	33.4	19.6
Tmem98	69.9	62.0	48.6	50.3	47.4	51.0	48.0	47.3	57.8	82.1	63.2	66.1
Tmem9b	29.4	30.9	27.4	30.3	29.1	28.4	27.7	26.7	30.0	28.3	28.0	29.7
Tmf1	26.8	25.0	22.4	26.8	24.4	24.4	23.8	21.8	20.7	22.5	29.0	26.6
Tmie	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tmigd1	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Tmod1	0.3	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.1	0.1
Tmod2	0.8	0.9	1.2	0.8	0.7	1.2	1.0	1.4	0.8	0.6	0.9	0.8
Tmod3	46.3	43.7	45.5	53.5	40.8	49.0	41.2	40.1	34.8	31.7	41.1	41.9
Tmod4	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
Tmpo	20.5	19.4	22.6	13.2	12.2	14.3	18.6	22.6	18.5	11.8	19.0	12.0
Tmppe	1.7	1.9	1.9	2.1	2.3	1.7	2.3	2.0	1.9	2.3	1.8	1.7

Online Table 1

Tmprss11e	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss6	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Tmprss7	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.2	0.2	0.2	0.1
Tmprss9	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Tmsb10	457.4	346.0	368.8	557.8	309.2	472.3	420.9	635.3	412.3	426.2	524.3	456.4
Tmsb15b1	0.7	0.2	0.4	1.1	0.8	1.3	0.0	0.5	0.2	0.7	0.9	1.2
Tmsb15b2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Tmsb15l	1.7	1.2	0.6	0.4	0.4	0.8	0.8	1.0	0.9	1.9	1.3	1.2
Tmsb4x	1096.7	938.6	797.3	1102.8	1919.7	725.9	1345.9	1461.5	2466.6	2210.3	1924.8	1995.3
Tmtc1	0.7	1.7	3.1	0.9	0.8	0.8	0.7	1.7	0.9	0.6	0.9	0.9
Tmtc2	0.4	0.3	0.4	0.2	0.3	0.2	0.4	0.4	0.3	1.2	0.5	0.5
Tmtc3	10.9	12.0	11.8	11.5	12.5	10.7	12.4	9.9	11.4	11.2	12.8	11.0
Tmtc4	3.1	3.4	3.4	4.0	3.1	3.6	4.4	5.1	4.7	3.0	4.6	4.4
Tmub1	2.4	1.7	2.0	2.7	1.6	4.0	1.7	1.9	2.0	2.8	2.2	2.0
Tmub2	12.8	13.4	11.9	13.3	11.9	15.2	12.4	12.8	14.4	12.4	12.4	12.8
Tmx1	14.4	15.7	19.4	17.4	17.4	18.9	16.4	15.8	16.9	16.4	18.3	20.4
Tmx2	29.4	27.9	20.4	34.7	25.3	35.2	25.5	23.9	24.2	24.8	25.5	24.5
Tmx3	19.5	20.5	21.2	20.9	20.0	22.0	18.1	22.4	20.0	18.9	23.5	22.6
Tmx4	10.0	10.5	11.0	13.4	11.5	11.8	11.5	8.6	10.2	10.0	11.5	10.6
Tnc	24.9	33.1	47.9	20.3	28.6	16.2	41.1	42.3	31.6	16.6	26.9	27.6
Tnf	0.9	0.1	0.1	6.9	13.3	0.1	2.7	0.3	0.4	0.8	0.2	0.7
Tnfaip1	26.3	27.5	24.8	26.0	28.4	21.5	33.2	30.2	34.9	23.7	27.4	26.0
Tnfaip2	28.0	33.4	41.0	36.2	55.4	26.0	44.0	42.5	38.6	43.5	36.0	40.4
Tnfaip3	4.6	2.7	2.6	4.6	6.0	6.3	2.9	1.5	2.2	2.4	2.6	2.3
Tnfaip6	4.6	6.0	7.4	1.5	5.0	2.1	6.8	5.7	5.7	4.4	4.0	5.8
Tnfaip8	2.1	2.0	3.4	3.4	6.6	1.4	2.6	2.6	2.6	5.7	3.2	3.3
Tnfaip8l1	0.5	0.4	0.5	0.2	0.5	0.2	0.7	0.4	0.5	0.2	0.1	0.2
Tnfaip8l2	1.0	0.1	0.2	5.2	7.8	0.0	1.2	0.1	0.1	0.6	0.3	0.8
Tnfaip8l3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tnfrsf10b	12.3	12.6	12.4	10.8	13.1	13.2	13.8	10.6	12.6	12.7	13.6	11.4
Tnfrsf11a	0.1	0.0	0.0	0.8	1.5	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Tnfrsf11b	26.7	22.3	15.3	37.5	33.3	27.0	32.3	8.1	25.0	21.8	26.1	25.6
Tnfrsf12a	63.6	43.0	26.6	59.1	55.4	40.7	73.1	38.7	61.1	88.4	63.7	54.9
Tnfrsf13b	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Tnfrsf13c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tnfrsf14	2.4	2.2	2.7	3.8	2.1	3.1	2.5	2.8	3.0	1.6	1.9	1.9
Tnfrsf18	0.6	1.7	1.7	0.5	2.5	1.5	1.1	0.5	0.7	0.6	0.8	0.7
Tnfrsf19	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tnfrsf1a	40.6	46.9	53.4	35.3	49.4	36.3	50.8	55.5	52.8	48.0	44.2	46.7
Tnfrsf1b	17.9	15.0	14.4	20.7	29.5	12.4	20.9	13.9	17.9	16.1	14.3	18.4
Tnfrsf21	1.1	0.6	0.6	2.0	1.9	1.1	1.0	0.6	0.6	1.2	0.8	0.6
Tnfrsf22	1.8	1.6	1.1	1.9	1.6	1.8	1.8	1.5	1.7	1.3	1.9	1.7
Tnfrsf23	9.6	7.6	6.2	13.3	10.4	9.5	9.8	5.7	6.1	9.5	8.7	9.2
Tnfrsf25	0.6	1.4	0.8	0.6	0.7	0.7	1.3	1.9	1.6	0.8	0.9	0.9
Tnfrsf26	44.0	35.8	25.5	44.1	41.7	37.8	29.2	15.2	20.2	29.3	27.2	29.0
Tnfrsf4	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.0	0.2	0.0	0.1	0.1
Tnfrsf8	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.1	0.1	0.1
Tnfrsf9	0.1	0.1	0.1	0.2	0.2	0.3	0.0	0.0	0.1	0.1	0.0	0.0
Tnfsf10	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Tnfsf11	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Tnfsf12	6.9	7.2	7.0	9.0	7.2	9.1	7.5	7.6	7.4	7.5	7.2	7.0
Tnfsf13	1.1	2.6	1.8	3.6	2.2	1.6	1.6	2.1	1.8	3.3	2.4	2.0
Tnfsf13b	0.7	0.7	1.0	1.1	1.4	0.3	1.3	0.8	0.7	1.4	0.8	1.6
Tnfsf14	0.1	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Tnfsf15	0.8	0.5	0.7	0.2	0.1	0.1	0.0	0.1	0.1	0.3	0.2	0.9

Online Table 1

Tnfsf18	2.8	0.9	0.2	2.6	1.0	1.1	0.3	0.2	0.2	0.4	0.6	0.3
Tnfsf4	0.1	0.2	0.1	0.5	0.5	0.3	0.2	0.0	0.2	0.1	0.2	0.1
Tnfsf8	0.0	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Tnfsf9	1.6	2.0	2.9	2.9	4.5	2.3	1.8	2.0	1.7	1.8	1.5	2.3
Tnik	0.3	0.7	0.8	0.3	0.3	0.4	0.2	0.4	0.3	0.2	0.2	0.4
Tnip1	19.7	15.6	24.0	31.4	41.4	19.8	31.4	20.5	18.4	15.9	17.5	23.5
Tnip2	10.4	13.0	15.1	10.7	13.2	8.7	15.9	13.4	14.5	10.8	11.5	13.9
Tnip3	0.3	0.0	0.0	1.8	4.2	0.0	0.6	0.1	0.1	0.4	0.2	0.4
Tnk1	2.3	2.6	2.6	2.7	2.1	2.7	2.8	3.7	2.7	2.5	2.1	2.1
Tnk2	7.9	6.9	4.9	7.7	5.8	6.8	7.5	4.9	7.4	9.4	7.9	5.2
Tnks	13.5	19.1	20.5	13.1	15.2	12.4	16.7	19.2	21.2	14.5	14.8	16.6
Tnks1bp1	50.5	54.2	53.1	45.7	48.8	35.4	70.1	67.1	61.4	59.3	62.5	56.4
Tnks2	28.6	32.0	28.6	25.2	28.1	32.1	24.0	24.7	29.1	32.7	31.4	31.2
Tnmd	0.1	0.0	0.1	0.0	0.1	0.3	0.2	0.3	0.2	0.5	1.2	0.3
Tnn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tnnc1	2.5	2.3	2.0	1.4	1.1	2.4	1.6	1.9	0.9	1.1	1.2	1.2
Tnnc2	0.2	0.0	0.3	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Tnni1	0.2	0.2	0.0	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.2	0.2
Tnni3	0.2	0.4	0.3	0.1	0.1	0.1	0.6	0.4	0.2	0.2	0.6	0.2
Tnni3k	0.2	0.1	0.0	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Tnnt1	0.2	0.2	0.7	0.4	0.3	0.4	0.2	0.7	0.3	0.1	0.1	0.2
Tnnt2	8.2	7.5	8.6	2.9	2.3	3.1	2.9	14.8	2.6	6.3	9.2	11.4
Tnnt3	0.5	0.5	0.6	0.3	0.6	0.7	0.2	0.2	0.4	0.3	0.7	0.4
Tnpo1	29.7	29.6	25.1	29.3	28.4	33.7	26.2	27.9	25.5	28.3	30.8	28.3
Tnpo2	34.3	29.3	24.2	33.6	31.4	32.1	32.8	25.7	30.8	28.9	32.5	29.3
Tnpo3	21.5	20.0	19.8	19.0	19.6	20.1	20.6	21.5	19.0	22.1	23.5	21.2
Tnr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tnrc18	3.9	7.1	7.1	3.4	4.7	2.9	7.2	6.8	8.3	7.3	5.8	5.7
Tnrc6a	9.2	10.8	11.2	11.1	10.0	9.5	10.5	10.3	9.7	8.8	9.9	10.1
Tnrc6b	3.1	4.1	4.3	3.5	3.2	3.5	3.5	3.8	3.1	3.3	3.3	3.4
Tnrc6c	3.1	3.6	4.4	3.4	3.3	3.2	4.0	3.8	3.8	3.6	3.5	3.8
Tns1	68.2	72.8	52.2	74.0	55.7	67.0	80.6	45.5	64.4	42.4	52.5	47.7
Tns3	68.3	100.0	104.4	81.5	89.7	77.3	121.0	111.4	115.4	87.7	100.5	106.2
Tns4	0.9	0.8	1.0	0.1	0.2	0.1	0.2	0.4	0.2	0.3	0.4	0.4
Tnxb	1.2	1.3	0.9	1.1	0.6	1.1	0.4	0.6	0.2	0.4	0.4	0.2
Tob1	5.1	6.0	7.3	5.8	4.9	5.3	5.3	6.8	4.8	5.5	5.7	5.5
Tob2	3.8	4.5	4.4	4.5	4.5	4.6	5.0	4.8	4.4	3.9	4.2	3.3
Toe1	5.9	6.1	5.6	4.8	6.0	4.6	6.3	5.8	5.9	6.2	5.3	6.6
Tollip	27.5	25.9	22.3	28.2	25.4	27.6	25.5	21.2	24.4	24.3	23.5	23.0
Tom1	15.1	12.0	10.8	17.9	13.2	15.6	13.2	12.3	11.6	12.4	11.9	12.9
Tom111	5.6	5.2	5.5	4.8	3.6	5.0	3.5	4.3	3.8	4.2	5.1	5.1
Tom112	11.7	12.6	10.8	11.7	10.5	11.6	11.5	9.6	11.1	12.9	10.0	10.2
Tomm20	24.3	19.2	17.3	23.2	20.7	23.4	20.7	17.9	20.7	28.5	25.2	23.6
Tomm22	74.5	68.7	63.7	73.8	68.2	66.7	65.7	65.2	68.9	73.3	67.4	69.4
Tomm34	14.7	16.0	13.2	18.0	14.8	17.9	15.4	14.7	13.5	18.4	15.9	15.4
Tomm40	28.0	24.8	19.2	27.0	25.7	25.2	26.8	22.9	23.1	24.3	24.7	21.2
Tomm40l	6.3	5.7	4.4	6.5	5.9	7.0	5.9	4.9	5.9	4.7	5.5	5.1
Tomm5	57.5	43.5	35.6	52.9	51.0	53.2	47.1	43.5	48.2	54.7	51.8	42.0
Tomm6	26.6	23.9	19.3	26.9	26.3	22.2	21.4	26.9	22.9	24.8	25.2	23.2
Tomm7	47.3	37.3	30.7	44.4	41.4	47.2	32.9	33.2	32.4	39.1	38.7	38.1
Tomm70a	28.7	26.2	22.7	27.7	25.3	26.8	25.4	22.7	24.3	27.6	29.0	26.6
Tomt	0.8	1.1	0.8	1.3	1.1	0.9	0.9	0.5	0.7	1.4	0.7	1.0
Tonsl	0.5	0.7	1.4	0.4	1.3	0.6	1.4	0.8	1.4	0.8	0.9	0.9
Top1	27.8	24.5	30.9	33.6	25.6	28.0	26.7	24.2	21.2	28.5	31.7	34.0
Top1mt	6.3	5.0	4.3	5.8	4.3	6.4	4.9	4.5	3.9	3.5	5.6	5.1
Top2a	9.0	18.2	30.0	3.1	24.2	3.2	28.9	12.2	24.2	12.7	20.6	15.0
Top2b	29.9	32.9	33.8	29.9	28.6	28.8	28.8	29.7	29.6	30.9	34.8	33.5

Online Table 1

Top3a	2.3	1.9	2.1	2.2	2.9	1.9	2.3	2.1	2.0	1.9	1.8	2.0
Top3b	15.9	16.4	14.9	15.6	13.5	14.8	13.6	13.2	13.7	15.4	14.6	14.4
Topbp1	10.9	14.0	15.7	8.8	14.7	9.0	15.9	11.2	13.1	10.8	13.6	11.0
Topors	17.6	18.6	21.9	19.5	15.7	16.2	17.7	17.1	15.3	18.6	20.2	21.8
Tor1a	13.6	11.0	11.5	13.6	12.1	12.5	14.5	14.1	12.7	12.5	13.4	13.2
Tor1aip1	14.7	14.2	15.1	17.3	15.8	15.2	18.9	16.8	15.9	12.2	15.3	16.7
Tor1aip2	75.5	65.6	58.4	76.3	69.0	83.2	75.8	65.1	77.1	73.9	76.4	79.1
Tor1b	25.0	23.9	22.5	23.5	25.4	25.0	23.2	24.5	24.8	27.6	25.4	24.8
Tor2a	5.9	6.2	7.9	5.2	8.1	5.2	7.6	10.2	9.9	8.8	6.3	8.6
Tor3a	15.5	11.0	12.7	22.9	16.0	19.4	12.5	11.7	10.1	9.9	11.2	14.2
Tor4a	4.2	2.5	2.6	7.6	6.5	5.2	3.1	1.6	1.7	6.8	3.9	3.4
Tox	0.1	0.1	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1
Tox4	14.9	15.8	15.6	16.1	15.3	15.0	14.7	15.4	14.2	16.1	16.1	15.8
Tpbg	0.8	1.2	1.7	0.4	0.9	0.6	1.5	3.2	2.0	2.4	2.5	1.5
Tpcn1	5.5	4.9	4.7	5.7	5.5	5.3	5.5	4.6	5.1	4.1	4.5	3.7
Tpcn2	1.9	2.3	2.1	2.8	2.8	1.6	2.6	2.4	3.0	1.9	2.7	1.6
Tpd52	12.7	11.6	7.9	24.5	25.0	18.6	9.7	5.9	6.4	11.1	11.9	9.2
Tpd52l1	1.4	0.5	0.5	0.7	0.6	1.1	0.9	1.2	0.6	1.2	1.2	0.9
Tpd52l2	37.5	36.8	33.4	36.4	31.9	38.4	37.6	35.8	34.5	37.2	41.9	37.7
Tpgs1	10.4	10.5	10.1	10.5	10.4	9.5	11.0	13.8	11.0	12.6	10.1	10.0
Tpgs2	4.5	3.7	3.6	4.4	3.8	4.9	3.4	3.7	3.2	3.9	4.6	3.3
Tph2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
Tpi1	144.0	133.2	126.8	145.2	151.8	159.5	150.8	122.3	130.9	159.8	149.0	159.6
Tpk1	3.7	3.3	1.8	3.8	2.8	3.7	1.9	1.8	2.0	2.5	2.5	2.0
Tpm1	412.9	322.5	280.7	530.8	406.1	400.8	534.9	298.6	435.2	618.2	731.7	552.7
Tpm2	58.3	47.1	42.0	69.7	47.1	58.2	108.5	43.5	73.7	91.0	137.8	98.9
Tpm3	154.6	124.6	127.2	211.5	158.0	140.8	171.5	144.8	126.0	120.8	160.0	145.7
Tpm4	561.8	570.7	545.1	743.4	596.8	598.5	737.8	571.8	643.2	533.4	741.6	641.7
Tpmt	2.4	2.9	3.3	2.2	2.2	2.8	2.5	2.9	2.5	1.5	2.9	2.3
Tpp1	42.4	37.9	31.2	46.1	39.6	51.4	25.5	29.9	21.5	31.9	28.0	28.7
Tpp2	23.6	24.2	22.0	25.4	29.4	21.5	22.4	24.1	23.3	25.6	26.1	24.2
Tppp	0.2	0.2	0.3	0.3	0.1	0.1	0.1	0.2	0.1	0.3	0.4	0.2
Tppp3	0.7	0.5	0.6	1.2	0.8	0.6	0.4	0.5	0.5	0.3	0.4	0.7
Tpr	39.6	37.8	39.6	41.9	36.4	35.7	38.6	37.7	32.0	34.3	44.3	42.8
Tpra1	8.1	9.6	8.5	10.8	11.0	12.7	8.7	9.4	8.6	7.8	8.5	6.9
Tprgl	66.4	54.5	45.7	69.4	55.3	67.2	56.0	52.8	60.6	63.5	65.1	59.6
Tprkb	12.1	9.4	9.4	11.6	8.8	10.1	9.1	9.0	8.2	9.8	10.4	9.7
Tprn	2.6	2.4	1.9	2.3	2.0	2.7	2.7	2.0	1.7	2.9	2.2	2.1
Tpst1	24.6	28.7	37.5	14.1	24.3	20.1	28.0	30.7	25.6	26.5	25.5	26.1
Tpst2	21.6	18.1	16.9	22.5	22.3	16.2	28.9	19.3	24.3	27.6	25.0	22.8
Tpt1	781.8	665.3	680.5	635.9	709.2	729.3	626.0	853.7	789.5	856.6	811.8	820.5
Tpte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tpx2	3.7	6.3	10.9	2.4	9.2	2.0	13.0	5.3	9.6	4.9	8.8	6.2
Tra2a	30.0	27.9	32.8	31.9	30.3	24.2	30.6	30.6	30.4	34.6	35.7	36.7
Tra2b	20.1	20.9	28.0	27.6	24.5	21.3	25.8	27.5	23.6	25.6	29.0	28.2
Trabd	8.1	8.3	6.9	7.8	8.9	8.0	8.5	9.0	9.7	9.6	8.5	9.5
Trabd2b	1.0	0.9	1.5	0.7	1.5	0.8	1.6	2.3	2.4	1.6	1.7	2.4
Tradd	11.3	11.0	8.9	8.4	11.8	10.2	9.1	12.2	11.9	11.8	10.1	10.7
Traf1	0.4	0.1	0.1	1.5	3.5	0.5	0.6	0.1	0.2	0.4	0.1	0.1
Traf2	8.1	8.1	9.2	9.0	9.8	8.7	9.0	10.3	9.8	6.2	7.7	8.7
Traf3	13.5	10.5	9.3	15.9	14.2	13.7	12.1	8.0	9.3	8.8	9.5	8.9
Traf3ip1	2.4	2.5	3.2	2.6	2.2	2.5	2.9	2.8	2.2	2.8	2.6	3.1
Traf3ip2	6.5	7.1	6.3	4.5	4.9	4.5	6.0	6.1	5.1	5.2	6.3	4.3
Traf3ip3	0.2	0.2	0.2	0.5	1.6	0.2	0.3	0.3	0.2	0.3	0.2	0.2
Traf4	6.7	7.9	7.2	6.9	8.1	7.0	7.7	8.2	8.2	9.1	8.3	6.1
Traf5	2.3	2.2	1.8	2.6	3.3	2.4	3.5	2.4	3.2	3.3	4.1	3.2
Traf6	3.4	3.5	3.1	3.4	3.2	3.8	3.0	3.1	3.0	3.2	3.0	3.2

Online Table 1

Traf7	29.7	33.8	28.6	24.9	28.9	28.4	31.9	33.9	34.9	28.1	31.9	27.6
Trafd1	23.3	26.5	25.6	22.7	22.9	22.6	20.3	24.9	22.1	21.1	20.7	21.7
Traip	0.5	1.1	1.2	0.4	1.2	0.3	1.8	0.7	1.3	0.7	1.0	0.8
Trak1	7.6	8.7	8.7	7.7	7.6	7.4	8.1	9.3	6.9	6.4	8.8	6.2
Trak2	23.4	19.5	17.9	24.0	20.6	21.7	21.5	16.7	19.2	16.7	20.7	19.4
Tram1	49.0	45.8	48.7	60.3	57.1	53.5	53.9	60.8	52.1	57.8	66.1	59.7
Tram111	1.3	1.4	1.6	1.1	1.3	1.5	1.7	1.5	1.2	1.0	1.2	1.0
Tram2	3.3	3.4	3.3	2.4	3.7	1.8	4.1	3.5	4.0	3.0	3.0	2.2
Trank1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0
Trap1	36.2	32.8	30.6	39.1	34.0	41.6	30.2	29.7	27.5	28.9	32.4	28.3
Trappc1	30.0	29.3	29.3	30.5	29.5	27.4	31.4	36.7	30.6	29.8	38.4	32.2
Trappc10	10.9	10.7	10.1	11.1	10.7	11.4	9.8	10.4	10.5	9.4	10.5	9.1
Trappc11	13.9	14.4	13.2	15.0	14.0	14.5	11.8	12.6	13.4	13.3	13.1	14.3
Trappc12	11.4	11.6	11.2	12.5	11.4	10.9	11.3	11.5	10.6	10.9	10.6	11.4
Trappc13	18.2	19.2	16.5	18.3	18.2	19.5	17.4	18.5	19.2	20.7	19.6	19.9
Trappc2	22.7	22.7	17.4	23.7	20.5	23.2	16.0	14.5	17.9	19.3	20.7	20.6
Trappc2l	56.2	47.4	35.1	51.8	41.2	53.8	38.2	37.9	42.2	50.9	46.4	41.8
Trappc3	44.9	40.0	35.2	46.7	41.7	41.3	38.0	38.7	38.5	43.9	41.3	39.0
Trappc4	46.5	40.4	26.6	45.6	37.4	37.0	35.9	33.7	40.0	37.1	36.6	32.6
Trappc5	9.6	9.3	7.8	11.3	8.6	11.1	10.5	9.4	10.4	10.0	10.5	10.9
Trappc6a	36.8	27.4	18.2	31.3	25.3	31.7	18.1	21.2	23.8	24.2	24.6	21.6
Trappc6b	51.3	45.8	41.9	54.2	41.1	47.4	44.6	32.5	42.7	40.0	46.7	53.3
Trappc8	16.5	17.3	14.2	16.6	17.7	16.5	14.0	13.4	16.4	15.2	16.4	16.6
Trappc9	17.4	17.8	14.5	15.8	15.7	18.2	15.6	14.5	13.2	13.7	14.0	13.3
Trcg1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trdmt1	1.2	1.2	1.5	1.8	1.2	1.8	1.2	1.4	1.2	1.2	1.5	1.0
Trdn	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Trem1	0.2	0.0	0.0	1.3	2.7	0.0	0.2	0.0	0.0	0.1	0.1	0.2
Trem2	3.6	0.1	0.1	35.3	37.4	0.0	2.4	0.8	0.3	2.4	0.5	1.7
Trem3	0.0	0.0	0.0	0.3	0.5	0.1	0.1	0.0	0.0	0.0	0.1	0.0
Trem14	0.4	0.0	0.0	0.6	2.6	0.0	0.3	0.0	0.0	0.2	0.0	0.0
Tref1	0.2	0.4	0.6	0.3	0.9	0.4	0.4	0.6	0.3	0.4	0.3	0.2
Trex1	8.3	7.8	7.4	9.8	10.1	7.5	9.0	11.2	9.1	8.2	7.6	8.7
Trf	77.7	57.7	74.9	35.8	47.8	29.6	45.4	38.1	50.9	186.0	85.6	82.8
Triap1	17.0	18.6	13.6	18.3	20.2	16.6	16.9	12.9	18.7	17.2	16.0	17.5
Trib1	2.8	4.2	4.4	1.4	4.0	0.9	3.1	3.6	3.3	7.1	4.2	4.3
Trib2	15.2	12.9	8.9	17.0	12.3	25.2	7.9	4.7	6.3	11.1	7.9	7.6
Trib3	10.3	5.4	3.1	9.8	4.2	10.5	3.9	13.1	10.0	4.0	7.3	4.5
Tril	0.1	0.3	0.5	0.1	0.2	0.1	0.2	0.8	0.6	0.2	0.1	0.2
Trim10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim11	16.3	16.6	15.7	13.4	13.9	14.0	16.0	13.0	15.1	16.9	15.0	13.9
Trim12a	10.4	8.3	8.2	8.8	9.9	7.4	9.0	8.7	9.3	9.9	12.1	11.2
Trim12c	13.5	11.8	13.0	13.1	13.5	10.1	8.7	9.7	10.6	10.5	12.4	14.2
Trim13	4.8	4.8	4.6	4.3	4.5	5.4	5.7	5.2	4.6	4.0	4.5	5.8
Trim14	0.2	0.3	0.2	1.2	1.1	0.1	0.1	0.3	0.0	0.0	0.0	0.1
Trim15	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.0
Trim16	24.4	24.8	15.2	29.1	26.7	20.4	27.2	18.9	22.3	20.9	24.2	20.6
Trim17	0.2	0.3	0.2	0.0	0.2	0.3	0.1	0.2	0.2	0.1	0.2	0.1
Trim2	5.6	5.0	5.8	5.9	4.6	6.6	4.9	6.2	4.4	6.6	6.4	5.5
Trim21	4.8	3.8	4.0	5.0	5.0	4.0	3.4	3.3	3.3	4.2	3.6	5.3
Trim23	5.5	7.0	6.7	5.9	5.4	6.4	4.5	5.5	5.8	6.8	6.6	6.7
Trim24	6.4	6.5	6.2	5.8	5.9	5.3	6.1	4.5	6.6	7.1	8.0	7.9
Trim25	5.5	5.2	6.2	6.5	7.4	5.1	5.1	4.2	4.6	4.3	4.0	5.6
Trim26	11.8	12.1	10.5	12.8	10.5	13.0	11.3	9.8	9.7	10.5	12.1	11.8
Trim27	7.6	7.1	6.5	6.6	7.1	6.5	7.9	7.5	7.3	8.1	8.2	6.3
Trim28	26.2	31.3	27.3	22.7	25.8	25.2	28.5	31.3	31.6	32.1	29.4	26.7
Trim29	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1

Online Table 1

Trim3	12.6	13.9	13.4	12.4	11.4	15.1	13.1	13.1	13.5	10.5	12.0	11.1
Trim30a	7.1	6.5	7.7	8.6	7.3	5.8	5.7	4.5	3.9	3.0	4.0	7.8
Trim30b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Trim30d	3.8	3.7	4.2	4.2	3.1	3.3	3.9	2.3	2.6	2.8	2.5	4.9
Trim32	9.4	9.9	8.6	7.1	8.4	8.3	7.2	7.7	9.5	9.6	8.1	8.0
Trim33	4.7	5.1	5.1	4.6	4.5	5.0	4.4	4.5	4.4	5.4	5.5	5.4
Trim34a	5.9	4.3	5.2	6.5	4.5	5.1	4.0	3.0	4.2	3.8	4.3	6.3
Trim34b	3.0	1.9	2.2	2.2	2.2	2.3	1.9	1.4	2.2	1.6	1.8	3.2
Trim35	52.4	50.3	42.0	56.4	47.5	49.5	45.0	55.3	50.6	50.0	49.0	41.1
Trim36	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Trim37	8.0	6.6	6.1	7.5	6.5	9.3	5.6	5.3	4.6	5.2	5.7	5.3
Trim38	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Trim39	4.6	3.9	4.3	5.7	3.8	4.6	4.7	3.5	4.0	3.7	4.1	3.9
Trim41	9.3	9.0	8.8	11.4	9.1	10.0	9.6	7.7	8.9	8.7	9.3	9.9
Trim43a	0.1	0.3	0.2	0.0	0.2	0.0	0.1	0.1	0.0	0.1	0.3	0.0
Trim43b	0.1	0.3	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.0
Trim43c	0.3	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.4	0.1
Trim44	22.4	21.4	22.6	23.2	19.3	21.5	21.4	20.1	20.3	22.1	24.3	26.0
Trim45	3.1	2.8	2.3	2.9	1.9	3.6	1.3	1.4	1.6	2.4	2.2	2.1
Trim46	2.9	2.5	2.2	2.9	2.3	3.3	2.8	3.5	3.6	2.2	2.3	2.0
Trim47	16.4	16.5	17.6	19.6	21.9	19.8	16.8	23.1	21.0	16.0	14.6	14.7
Trim50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Trim54	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Trim56	10.1	8.3	8.4	13.5	10.9	10.7	9.0	7.5	7.6	7.5	8.3	8.7
Trim59	5.0	8.9	9.3	4.7	7.7	5.5	8.7	8.6	10.5	9.8	11.4	9.8
Trim6	0.3	0.2	0.4	0.3	0.2	0.2	0.4	0.1	0.3	0.3	0.2	0.2
Trim62	0.5	0.8	1.0	0.5	0.7	0.7	0.8	0.8	0.8	0.5	0.7	0.5
Trim63	0.5	0.3	0.4	0.2	0.1	0.3	0.0	0.1	0.0	0.0	0.1	0.1
Trim65	0.6	0.6	0.5	0.8	0.6	0.6	0.7	0.4	0.6	0.8	0.4	0.6
Trim66	0.3	0.2	0.2	0.4	0.1	0.3	0.1	0.3	0.2	0.1	0.2	0.1
Trim68	3.6	3.7	4.1	3.1	2.9	3.8	3.2	3.4	3.7	2.8	3.4	3.5
Trim69	0.1	0.3	0.1	0.3	0.2	0.1	0.2	0.0	0.1	0.2	0.2	0.1
Trim7	2.3	3.2	3.3	1.5	2.2	3.2	3.0	2.5	2.3	1.9	2.9	2.2
Trim71	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0
Trim72	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Trim75	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Trim8	9.2	7.9	8.1	9.7	12.1	8.0	10.1	9.1	9.1	10.1	8.5	8.0
Trim9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trio	8.1	7.7	7.0	7.5	8.3	7.4	9.1	6.6	7.2	8.7	8.2	7.3
Triobp	15.1	18.1	16.3	15.1	14.4	13.3	20.4	15.9	20.0	14.3	15.4	16.1
Trip10	21.2	23.9	25.6	22.4	18.9	23.4	25.6	25.5	22.4	20.0	22.5	22.2
Trip11	12.0	12.6	13.0	11.9	12.3	10.6	12.9	12.7	12.1	12.5	14.6	14.9
Trip12	33.6	35.6	34.4	31.0	33.1	32.2	30.5	32.8	31.7	32.7	35.1	35.3
Trip13	1.3	2.5	3.5	0.9	2.7	0.8	3.7	2.7	2.6	2.1	2.2	2.0
Trip4	8.3	8.9	8.9	7.9	7.7	8.2	7.2	8.1	7.2	8.3	7.8	8.6
Trip6	22.1	24.5	21.0	20.5	19.0	20.0	22.8	21.7	22.6	20.6	19.3	17.4
Triqk	5.7	6.2	4.3	5.0	5.5	7.3	5.4	5.6	6.1	5.9	6.7	6.5
Trit1	4.4	4.2	3.1	4.0	3.2	4.7	3.3	3.2	3.7	4.6	3.9	4.1
Trmt1	14.5	12.6	11.3	12.0	11.7	14.7	12.2	11.2	12.1	13.5	12.9	11.5
Trmt10a	3.4	2.4	2.4	3.1	2.9	2.3	3.1	2.4	2.2	2.7	3.3	2.4
Trmt10b	3.0	3.3	3.4	3.7	2.8	3.2	2.6	2.8	2.8	3.1	3.2	3.0
Trmt10c	8.7	9.1	8.7	10.6	9.1	9.1	8.7	7.2	7.6	9.5	11.1	9.7
Trmt11	2.6	3.2	2.8	2.6	2.3	2.9	2.0	2.2	1.9	2.5	2.5	2.8
Trmt112	26.0	24.1	22.2	26.1	23.3	27.0	22.4	25.0	24.8	25.2	23.3	25.0
Trmt12	1.9	2.0	1.6	2.1	1.4	1.8	1.8	1.8	2.1	1.6	1.5	1.9
Trmt13	2.6	2.1	1.9	2.3	1.9	2.0	1.7	1.4	1.9	1.6	1.4	1.9
Trmt1l	12.5	14.5	13.8	13.0	12.6	13.6	13.9	12.7	12.2	13.2	14.6	14.1

Online Table 1

Trmt2a	8.8	9.2	8.1	10.6	8.1	9.8	9.1	8.5	8.6	8.5	9.3	8.3
Trmt2b	7.3	6.6	7.0	7.5	6.9	6.7	6.1	6.6	6.5	7.7	6.6	9.0
Trmt44	2.0	1.9	1.7	2.2	2.2	2.3	1.5	1.6	1.8	2.1	1.9	1.7
Trmt5	8.7	8.7	6.8	7.6	6.9	7.5	7.5	6.0	6.8	6.6	7.5	7.8
Trmt6	7.2	6.4	7.6	9.2	6.7	7.1	7.4	7.6	6.4	7.3	8.2	8.6
Trmt61a	4.1	2.3	1.8	3.9	3.9	3.6	3.7	2.8	2.8	3.3	2.8	2.8
Trmt61b	2.1	2.4	1.6	2.9	2.4	2.3	2.8	2.3	2.9	3.0	2.2	1.9
Trmu	4.0	3.1	3.3	3.3	3.3	3.3	2.9	3.5	4.1	3.5	3.3	3.4
Trnau1ap	27.0	22.3	18.7	21.1	22.0	23.5	20.5	19.8	19.8	21.3	21.8	20.1
Trnp1	26.5	17.1	12.4	29.4	15.5	33.2	18.1	15.2	19.5	19.2	19.2	21.3
Trnt1	13.6	14.4	13.6	11.7	12.8	13.6	13.8	12.9	13.3	12.8	15.1	16.5
Tro	0.4	0.8	1.0	0.5	0.3	0.7	0.9	0.9	0.8	0.5	0.7	0.5
Troap	0.4	0.6	1.1	0.1	0.9	0.1	1.8	0.7	1.5	0.3	0.6	0.5
Trove2	5.2	5.2	5.9	5.9	4.7	6.6	5.7	5.7	5.0	6.3	6.9	6.6
Trp53	21.4	20.2	19.2	25.8	28.2	23.5	27.1	22.4	19.8	18.6	20.5	17.1
Trp53bp1	7.4	8.4	9.2	7.9	7.8	8.3	7.3	8.3	7.0	8.8	8.0	8.5
Trp53bp2	5.2	6.3	5.6	4.6	4.1	4.3	5.0	4.9	4.9	6.0	6.7	5.4
Trp53i11	2.0	1.5	1.9	1.5	1.5	1.9	1.3	1.5	1.8	0.8	0.7	0.8
Trp53i13	4.8	5.5	4.6	6.0	5.6	6.3	5.4	5.7	5.6	5.4	4.3	4.8
Trp53inp1	42.2	55.9	61.8	40.4	39.7	50.9	33.5	34.7	39.7	50.8	48.8	51.7
Trp53inp2	31.1	41.7	41.0	36.5	38.6	35.8	37.9	29.4	28.8	20.9	25.3	20.3
Trp53rk	0.8	0.9	0.7	0.6	0.9	0.8	0.9	0.8	0.8	0.9	0.9	0.9
Trp53tg5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Trp63	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trp73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpc1	3.6	3.6	3.2	3.5	2.9	2.7	3.3	3.0	3.9	2.7	4.3	3.1
Trpc2	0.5	0.4	0.7	0.4	0.5	0.6	0.5	0.6	0.5	0.6	0.4	0.3
Trpc4ap	32.5	34.4	32.3	33.8	35.3	32.1	35.1	37.6	33.7	37.9	35.2	35.5
Trpc5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpc6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Trpc7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Trpm2	0.0	0.0	0.0	0.2	0.6	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Trpm3	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Trpm4	2.2	2.4	2.3	1.9	2.5	2.6	2.2	2.9	3.2	2.3	2.3	2.3
Trpm5	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Trpm6	0.5	0.5	0.6	0.2	0.5	0.3	0.4	0.5	0.5	0.4	0.4	0.5
Trpm7	15.1	14.7	14.0	14.0	15.0	14.0	13.9	14.8	14.7	16.7	16.6	16.9
Trps1	2.5	3.0	3.9	2.7	3.3	2.6	2.4	4.1	2.5	2.7	2.4	3.4
Trpi1	3.5	4.7	4.9	3.8	2.7	4.5	3.7	3.5	4.3	3.4	3.5	3.4
Trpv1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpv2	2.0	1.5	1.2	8.1	11.0	2.0	3.2	1.4	2.0	2.1	2.8	2.0
Trpv3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpv4	0.2	0.3	0.7	0.1	0.4	0.2	0.2	0.4	0.3	0.2	0.2	0.2
Trpv6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trrap	7.2	9.0	8.8	6.7	8.0	8.0	8.4	9.0	7.9	7.7	6.9	6.5
Trub1	1.9	1.7	1.5	1.6	1.7	1.9	1.8	1.3	1.6	1.5	1.8	1.4
Trub2	5.8	4.8	3.8	6.2	4.8	5.8	4.9	4.6	4.6	4.7	4.6	4.0
Tsacc	2.6	3.0	3.1	3.9	2.3	2.6	1.9	2.0	2.0	2.8	2.2	2.1
Tsc1	4.3	4.6	4.4	4.2	4.0	4.3	4.0	4.1	3.6	3.7	4.2	4.1
Tsc2	13.6	14.2	12.2	14.1	13.5	15.6	13.6	12.0	12.4	10.6	11.1	9.3
Tsc22d1	49.7	31.3	26.5	53.5	35.1	46.3	36.6	41.7	50.4	126.1	73.6	57.2
Tsc22d2	15.9	16.9	13.6	16.9	11.3	18.4	14.3	9.5	12.3	12.1	15.7	12.8
Tsc22d3	12.3	10.5	8.3	12.5	9.1	14.2	11.2	14.4	15.6	7.9	13.6	8.4
Tsc22d4	10.2	10.9	12.6	12.7	13.2	11.6	11.8	14.0	13.6	13.6	11.1	10.8
Tsen15	13.0	14.0	14.4	14.7	15.2	14.9	16.2	16.6	15.4	15.5	17.7	16.2
Tsen2	4.5	4.4	3.6	4.3	4.0	4.9	3.7	4.1	3.3	3.6	4.0	3.0
Tsen34	43.0	41.1	40.8	38.3	34.6	43.3	40.9	43.0	41.7	42.6	38.4	37.5

Online Table 1

Tsen54	6.4	6.1	5.6	7.3	7.2	5.7	5.9	5.4	6.9	6.3	5.5	4.8
Tsfm	9.8	8.2	7.8	8.4	8.7	9.6	8.9	7.0	9.7	8.4	6.8	6.5
Tsg101	46.9	51.8	43.9	51.1	41.7	47.0	41.5	41.2	40.6	41.8	47.8	39.9
Tsga10	0.9	1.2	1.1	0.7	0.9	1.1	1.0	0.8	0.7	0.8	0.8	1.2
Tsga14	2.2	2.4	1.9	2.6	2.4	2.7	2.0	1.9	1.9	2.4	2.4	2.1
Tshr	0.2	0.1	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1
Tshz1	4.3	4.9	5.9	5.9	4.2	6.9	4.8	4.6	4.1	4.3	4.5	4.9
Tshz2	0.6	1.0	1.3	0.8	0.3	0.5	0.4	0.9	0.3	1.7	1.9	0.9
Tshz3	2.1	3.3	3.7	2.5	2.7	2.7	3.8	3.3	3.1	3.2	3.6	2.9
Tsks	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Tsku	23.3	21.2	16.2	22.7	24.4	22.1	29.7	24.7	21.3	18.6	20.0	18.1
Tslp	1.6	2.0	1.4	2.5	1.4	3.5	0.8	0.9	0.9	1.0	0.9	0.4
Tsn	27.2	25.8	22.4	27.8	25.7	28.1	22.4	23.1	23.5	25.8	24.1	23.4
Tsnax	40.2	38.3	34.1	43.5	35.7	44.3	32.7	27.5	31.1	35.2	33.9	32.7
Tsnaxip1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Tspan1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Tspan10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tspan11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tspan12	5.6	7.9	7.1	7.1	7.6	6.0	6.7	5.1	7.9	5.2	7.0	6.5
Tspan13	0.3	0.1	0.1	0.3	0.2	0.0	0.2	0.7	0.5	0.2	0.1	0.1
Tspan14	3.9	4.8	4.2	5.6	8.2	3.3	4.4	4.8	5.8	4.2	4.4	3.6
Tspan15	0.6	0.3	0.3	0.5	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.2
Tspan17	38.8	38.2	29.6	48.8	36.9	39.5	35.8	36.8	36.1	28.2	31.6	29.3
Tspan18	0.3	0.4	0.7	0.1	0.6	0.3	0.6	0.6	0.7	0.4	0.3	0.6
Tspan2	2.5	2.3	2.1	2.6	2.0	3.3	2.5	1.4	2.2	3.7	4.7	2.8
Tspan3	90.7	79.7	79.2	75.2	74.9	84.9	83.2	95.0	104.0	106.2	104.2	94.9
Tspan31	65.2	58.9	57.0	71.4	65.9	60.2	63.8	64.4	58.1	68.2	65.7	61.8
Tspan32	2.1	1.9	1.2	1.7	1.5	1.1	1.8	2.0	1.9	1.3	2.2	1.0
Tspan33	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.4	0.1	0.1
Tspan4	64.7	81.9	74.2	61.5	81.1	62.2	82.0	97.4	97.1	97.9	67.4	79.4
Tspan5	7.0	6.8	5.4	5.0	4.0	5.8	4.1	4.1	4.2	12.2	7.9	7.2
Tspan6	34.3	37.1	36.6	30.4	36.2	29.9	36.6	32.1	42.4	36.7	38.2	41.5
Tspan7	5.2	8.8	12.5	3.2	7.3	2.7	4.4	7.4	7.1	3.5	4.6	4.9
Tspan8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.8	0.6	0.4
Tspan9	24.9	25.6	25.0	35.6	24.3	37.8	26.3	25.4	24.7	18.0	17.5	18.0
Tspo	113.0	84.6	65.9	123.0	123.6	120.2	77.2	82.7	87.4	83.0	62.8	75.3
Tspyl1	26.2	29.1	26.2	26.5	26.3	24.5	23.2	22.7	26.7	29.5	26.6	27.2
Tspyl2	18.2	16.7	20.4	22.7	12.6	22.3	17.8	14.8	15.0	15.9	17.8	18.7
Tspyl3	1.6	2.7	2.3	2.1	2.2	2.4	1.8	2.3	2.2	2.0	1.7	2.2
Tspyl4	4.0	2.4	1.8	4.6	1.9	4.4	2.2	2.6	2.2	2.0	3.2	2.2
Tspyl5	0.9	1.2	1.1	0.9	0.6	1.0	0.8	1.1	0.9	1.0	1.3	1.0
Tsr1	14.3	9.5	9.2	14.6	12.7	11.7	11.8	8.8	9.6	12.6	12.7	12.1
Tsr2	4.8	4.9	5.0	7.5	4.7	6.6	6.7	4.9	4.9	5.7	5.9	6.1
Tsr3	14.1	10.4	10.4	17.7	9.7	13.9	12.0	11.0	9.6	11.0	10.9	12.9
Tssc1	8.6	7.9	7.3	9.8	7.9	7.9	6.9	8.4	7.8	8.2	8.0	7.0
Tssc4	14.0	11.2	9.4	10.9	10.1	11.0	12.7	11.2	11.8	14.1	12.4	10.7
Tssk1	0.0	0.2	0.0	0.3	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Tssk2	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1
Tssk3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Tssk4	0.0	0.3	0.2	0.2	0.1	0.1	0.3	0.1	0.2	0.1	0.2	0.2
Tssk6	0.2	0.1	0.3	0.3	0.3	0.3	0.1	0.5	0.4	0.2	0.2	0.2
Tst	4.1	5.1	5.8	2.0	2.0	3.4	2.8	4.6	3.8	5.5	4.6	4.1
Tsta3	14.0	13.1	11.1	13.3	12.0	15.1	13.2	13.0	12.9	11.2	12.7	12.5
Tstd1	0.0	0.1	0.1	0.6	0.1	0.0	0.1	0.1	0.2	0.5	0.3	0.0
Tstd2	10.4	11.0	8.9	10.2	10.7	10.7	9.5	9.6	9.3	9.2	9.9	9.2
Tstd3	7.2	7.0	5.8	8.5	7.7	6.6	6.4	5.8	5.4	5.9	7.3	6.5
Ttbk1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Online Table 1

Ttbk2	3.4	4.5	4.2	3.0	3.3	3.6	3.4	3.6	3.8	3.1	4.2	3.8
Ttc1	28.8	20.4	19.4	31.5	20.1	29.6	17.4	15.4	15.4	20.0	21.4	22.6
Ttc12	4.5	2.6	2.7	4.3	3.0	5.0	3.0	2.5	2.4	2.8	3.2	3.1
Ttc13	28.0	19.4	18.4	25.8	20.5	28.3	21.2	18.6	16.7	19.8	23.3	21.2
Ttc14	5.5	5.5	6.3	4.9	5.0	5.1	4.8	5.1	5.5	5.4	6.1	6.0
Ttc16	0.2	0.3	0.2	0.2	0.1	0.3	0.2	0.1	0.2	0.3	0.4	0.2
Ttc17	7.0	7.6	8.0	8.6	7.6	8.2	8.6	8.9	7.1	7.6	7.8	8.2
Ttc18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Ttc19	6.2	7.8	7.8	6.7	6.5	5.5	7.0	6.5	7.9	6.9	7.5	8.2
Ttc21a	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ttc21b	7.6	8.5	9.4	5.8	6.7	7.9	7.7	8.6	7.6	7.8	8.2	8.1
Ttc22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ttc23	8.5	8.5	8.1	7.6	6.2	9.0	6.2	7.8	7.1	7.1	6.3	7.4
Ttc23l	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ttc25	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.2	0.3
Ttc26	2.1	1.8	1.8	1.7	1.3	2.2	1.5	1.6	1.4	1.6	1.7	1.4
Ttc27	5.1	4.8	3.4	5.4	5.0	5.8	5.0	4.4	4.2	5.9	4.7	4.2
Ttc28	2.7	3.9	3.9	3.3	3.5	3.2	4.2	3.4	3.7	3.0	3.1	2.8
Ttc3	17.6	19.7	19.5	15.6	15.8	19.0	15.2	18.3	17.0	16.9	19.0	16.8
Ttc30a1	1.1	0.8	1.2	1.1	0.8	0.9	1.0	0.9	1.0	1.0	0.8	1.0
Ttc30a2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3
Ttc30b	4.5	4.7	5.4	4.4	3.6	5.0	3.7	4.8	4.2	5.1	4.6	5.3
Ttc32	1.5	1.2	1.1	2.2	2.3	1.1	1.6	1.0	1.8	1.0	1.8	1.9
Ttc33	19.1	16.5	18.5	22.2	17.2	22.4	15.3	15.6	15.5	18.8	16.8	20.3
Ttc34	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ttc36	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Ttc37	13.8	12.6	9.6	13.5	11.5	12.1	9.7	10.5	9.6	10.7	12.7	10.9
Ttc38	3.8	4.5	4.6	3.3	3.4	4.5	3.5	4.3	3.6	3.4	3.4	3.9
Ttc39a	0.2	0.2	0.3	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2
Ttc39b	11.3	13.7	11.9	16.7	14.0	15.6	17.6	12.2	13.2	12.7	15.0	13.2
Ttc39c	4.1	4.1	3.7	3.8	3.4	5.4	3.2	4.2	3.8	4.2	3.7	4.4
Ttc39d	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1
Ttc4	9.6	9.6	8.6	9.6	8.4	9.6	8.2	8.7	8.6	10.1	9.0	9.3
Ttc5	14.6	12.9	11.8	14.3	12.8	16.0	11.7	12.9	12.0	13.1	10.7	12.0
Ttc7	7.9	9.2	9.1	6.5	8.8	7.1	8.9	7.2	8.3	6.4	6.6	7.7
Ttc7b	6.1	5.1	5.1	7.0	5.9	6.0	5.8	4.3	5.9	5.8	5.1	6.1
Ttc8	8.4	8.1	9.3	8.8	6.8	8.9	9.1	7.8	8.5	8.1	8.9	8.7
Ttc9	11.7	9.5	8.0	14.2	8.2	17.7	11.3	8.4	9.2	11.7	12.2	13.1
Ttc9c	8.7	8.7	9.1	8.2	8.8	8.4	8.4	8.6	8.1	8.5	10.5	8.2
Ttf1	6.3	6.6	7.2	6.6	5.6	6.2	5.1	5.9	5.0	6.3	6.4	7.0
Ttf2	7.0	7.6	7.5	7.7	7.5	7.5	7.8	6.8	7.2	7.2	7.2	6.6
Tti1	4.8	5.0	5.8	4.7	4.8	4.6	4.6	5.2	4.7	5.4	4.9	4.6
Tti2	5.0	4.3	4.2	4.6	4.0	4.7	4.2	5.0	4.3	4.3	4.8	4.4
Ttk	0.8	1.7	2.9	0.3	2.4	0.4	2.9	1.4	2.1	1.2	2.1	1.4
Ttl	5.9	4.5	4.0	6.3	4.6	6.0	6.7	4.5	5.9	4.9	5.9	5.6
Ttl1	7.8	7.5	7.8	7.4	7.3	8.4	6.5	7.2	5.8	7.6	7.9	6.1
Ttl11	0.4	0.2	0.2	0.5	0.5	0.3	0.4	0.2	0.4	0.5	0.4	0.4
Ttl12	11.9	10.7	8.6	12.6	9.9	12.9	10.8	9.7	9.0	10.4	9.7	8.6
Ttl13	0.2	0.1	0.1	0.2	0.1	0.4	0.1	0.2	0.2	0.2	0.2	0.1
Ttl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ttl3	0.6	0.8	0.6	0.9	1.0	0.9	0.8	0.5	1.1	1.4	1.0	0.6
Ttl4	2.3	2.5	2.5	2.3	2.5	1.5	3.0	2.8	2.7	2.5	2.4	1.8
Ttl5	2.8	3.1	3.6	3.4	3.0	3.1	3.2	4.2	2.6	2.6	3.9	3.1
Ttl7	6.6	5.9	5.0	8.9	4.4	8.5	5.0	4.1	4.2	6.0	5.4	5.5
Ttl9	0.2	0.2	0.3	0.1	0.4	0.1	0.2	0.1	0.1	0.3	0.2	0.1
Ttn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ttpa	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0

Online Table 1

Ttpal	13.7	14.1	12.4	11.6	12.7	11.7	11.1	12.3	12.2	12.5	11.5	12.2
Ttyh1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ttyh2	12.0	8.9	4.9	15.6	12.2	12.3	11.8	6.2	8.5	9.5	9.2	8.0
Ttyh3	1.5	2.0	1.9	1.5	1.7	1.7	1.5	2.4	2.2	1.7	1.6	1.2
Tub	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Tuba1a	392.7	397.0	343.7	506.9	326.2	381.8	495.1	483.9	454.7	240.4	426.3	252.2
Tuba1b	138.7	132.9	137.6	169.3	163.7	127.5	216.7	158.0	187.1	136.2	164.2	121.9
Tuba1c	244.4	225.9	193.6	290.7	260.7	231.3	348.5	257.4	295.6	184.3	236.4	152.5
Tuba3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tuba4a	17.9	12.9	9.7	29.6	19.4	19.6	18.0	9.4	9.2	18.0	15.4	11.5
Tuba8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tubb2a	128.7	106.2	81.4	158.6	137.1	123.9	134.4	117.3	134.3	128.9	139.6	110.3
Tubb2a-ps2	0.5	0.0	0.0	0.3	0.1	0.1	0.4	0.2	0.2	0.3	0.4	0.2
Tubb2b	67.6	46.0	34.9	75.3	59.7	58.6	59.9	55.7	61.1	55.5	65.2	44.2
Tubb3	112.4	118.5	84.5	174.0	202.3	92.9	269.1	224.3	210.3	148.0	216.0	133.7
Tubb4a	8.4	14.2	12.8	10.4	12.2	7.8	15.1	17.7	7.3	7.1	9.8	7.4
Tubb4b	120.7	103.0	117.1	125.5	150.6	94.4	152.4	95.5	126.1	163.7	145.6	109.3
Tubb5	163.5	139.9	165.5	158.8	196.4	137.6	234.2	198.7	202.4	206.9	206.2	162.9
Tubb6	36.9	38.1	45.9	33.0	63.2	20.1	86.8	51.9	67.9	57.2	70.3	48.9
Tubd1	3.7	4.6	5.6	3.2	3.6	2.9	4.5	4.3	4.2	3.9	4.1	4.2
Tube1	0.3	0.6	0.5	0.3	0.4	0.5	0.4	0.2	0.3	0.2	0.2	0.3
Tubg1	9.8	11.6	10.7	8.8	10.8	10.4	14.1	11.0	9.9	9.6	10.8	8.4
Tubg2	3.0	3.2	3.0	3.9	2.4	3.7	3.0	2.1	2.3	2.1	1.8	2.2
Tubgcp2	12.8	12.7	13.2	13.2	12.6	11.7	13.2	12.2	10.9	10.1	12.1	11.1
Tubgcp3	7.4	8.2	9.0	8.6	8.0	8.6	9.3	8.9	8.9	6.7	8.6	7.7
Tubgcp4	10.0	9.9	8.8	11.2	10.8	11.7	9.2	8.4	8.9	8.8	8.8	7.9
Tubgcp5	6.9	7.5	6.7	6.6	6.6	6.5	6.1	5.5	5.9	6.9	6.2	6.9
Tubgcp6	3.4	3.7	4.2	3.9	4.0	4.1	4.2	3.9	3.9	3.3	3.7	3.6
Tufm	26.6	27.4	25.3	26.9	28.8	27.4	28.9	29.1	25.6	29.1	30.6	26.6
Tuft1	9.9	6.7	4.0	5.5	5.3	5.1	5.0	3.5	4.4	9.7	8.8	5.7
Tug1	15.2	16.5	19.0	17.4	17.7	17.0	16.7	20.8	18.0	20.0	22.3	20.3
Tulp1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.1
Tulp2	0.3	0.4	0.1	0.1	0.2	0.3	0.2	0.4	0.2	0.1	0.2	0.0
Tulp3	11.0	12.3	13.3	8.7	11.0	10.7	11.9	12.9	12.8	11.0	12.3	12.5
Tulp4	41.7	42.0	37.5	41.5	35.9	40.4	38.3	31.8	27.3	36.7	38.2	36.8
Tusc1	0.7	1.5	1.2	0.6	0.8	1.8	1.2	1.3	1.2	0.9	1.0	1.7
Tusc2	11.3	10.3	9.5	14.3	9.4	14.3	11.1	10.1	7.8	10.0	10.9	9.4
Tusc3	48.8	40.7	30.3	44.9	39.6	50.2	43.9	36.9	42.6	42.7	42.6	40.2
Tusc5	0.6	0.3	0.2	1.0	0.3	0.9	0.3	0.2	0.2	0.1	0.3	0.2
Tut1	7.5	7.0	7.4	8.5	6.8	7.5	8.4	6.3	6.4	7.3	7.5	7.3
Tvp23a	7.1	8.1	8.0	6.7	6.5	8.9	7.8	8.1	7.5	5.9	6.9	7.4
Tvp23b	43.5	39.6	34.8	43.9	33.9	40.3	32.0	28.0	32.5	37.9	41.6	38.3
Twf1	45.8	44.2	46.3	52.8	47.9	51.0	49.7	48.9	46.2	45.7	52.3	51.9
Twf2	9.8	10.6	8.7	13.3	16.7	10.5	10.2	9.7	9.1	9.7	8.2	9.3
Twist1	6.6	6.4	8.2	4.8	5.6	6.4	8.5	6.5	7.8	15.5	10.9	11.6
Twist2	2.5	1.9	2.9	1.1	1.3	0.9	2.2	2.1	2.1	2.5	2.9	2.2
Twistnb	6.9	7.7	7.2	7.7	7.5	6.8	6.9	7.8	7.4	8.1	9.2	8.4
Twsg1	32.2	31.6	35.8	32.9	31.9	38.0	32.1	27.8	32.1	35.3	33.5	38.1
Txk	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.2	0.1	0.0
Txlna	20.6	21.8	21.9	21.3	21.7	19.1	22.8	22.6	20.7	21.7	23.7	21.3
Txlnb	0.9	0.5	0.5	1.1	0.6	1.9	0.2	0.3	0.2	0.4	0.5	0.2
Txlng	2.0	2.5	2.9	2.9	2.5	2.3	2.5	2.6	2.5	3.2	3.8	3.1
Txn1	131.4	119.3	98.2	155.2	136.6	153.5	101.2	116.8	116.1	125.9	120.3	99.4
Txn2	48.9	43.2	38.6	62.3	49.1	55.5	50.6	47.2	40.4	45.4	52.6	42.0
Txndc11	8.4	9.2	7.3	9.1	9.1	8.7	9.4	8.8	9.3	8.1	8.5	7.7
Txndc12	36.6	32.4	36.4	39.9	36.6	38.9	34.6	35.1	34.6	38.6	38.4	35.0
Txndc15	39.9	37.9	41.8	41.9	38.3	46.1	38.4	35.8	38.3	43.6	35.8	43.7

Online Table 1

Txndc16	22.5	18.3	18.3	21.1	17.9	26.5	16.1	15.8	14.9	16.2	17.7	21.4
Txndc17	88.1	66.7	62.3	89.3	62.5	80.6	64.9	63.1	60.9	64.0	78.3	67.5
Txndc2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.1	0.1
Txndc5	182.6	160.1	158.1	182.2	155.5	187.1	190.7	181.1	173.5	175.1	184.2	187.8
Txndc9	17.2	15.7	13.8	18.6	15.8	17.4	15.2	13.5	13.7	17.2	17.2	17.1
Txnip	19.4	21.4	24.5	48.7	59.2	25.9	53.8	51.3	54.4	57.2	47.0	60.6
Txnl1	39.5	40.7	36.6	42.7	40.2	45.3	41.0	36.9	41.6	43.3	43.7	44.7
Txnl4a	61.8	45.5	39.0	60.0	53.4	60.2	51.0	45.5	48.3	51.6	52.4	43.6
Txnl4b	4.3	4.5	4.6	6.3	4.4	4.7	3.9	4.7	3.9	3.6	4.9	4.2
Txnrd1	64.6	36.3	25.4	97.7	65.4	73.1	38.0	26.7	25.5	46.2	36.9	31.5
Txnrd2	2.6	2.9	3.0	4.4	4.0	3.5	3.4	2.3	3.1	3.2	2.4	3.2
Txnrd3	2.6	3.0	2.1	2.8	2.1	3.4	3.1	4.1	3.2	2.5	3.1	3.5
Tyk2	3.6	4.7	4.6	3.8	5.0	4.5	3.4	4.3	4.4	4.0	3.5	4.1
Tymp	0.4	0.3	0.1	0.3	0.3	0.2	0.4	0.1	0.4	0.5	0.1	0.3
Tyms	5.8	7.1	8.2	4.5	7.5	3.8	7.6	7.3	7.7	5.5	6.4	5.8
Tyms-ps	0.2	0.2	0.5	0.1	0.3	0.1	0.4	0.2	0.2	0.2	0.2	0.1
Tyr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tyro3	4.6	5.6	6.0	3.7	4.1	4.6	5.2	6.1	5.6	3.8	3.9	3.7
Tyrbp	15.1	0.4	0.6	133.1	177.6	0.1	17.5	3.2	2.5	9.8	2.4	6.7
Tysnd1	21.6	20.8	16.8	19.6	20.5	19.8	21.3	17.8	19.7	20.9	19.0	19.2
Tyw1	12.5	10.7	9.4	11.9	10.4	12.6	10.5	10.0	9.4	11.1	10.2	9.5
Tyw3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.5	0.4	0.5	0.5	0.6
Tyw5	7.1	8.6	8.2	6.7	6.8	9.2	8.0	5.4	7.6	7.7	8.3	7.7
U05342	1.0	0.6	0.7	2.1	0.2	0.2	0.3	0.9	0.2	1.2	0.8	0.3
U2af1	29.3	29.4	33.4	36.5	33.8	31.6	37.5	39.3	33.7	39.1	39.9	33.9
U2af114	16.4	12.1	13.4	21.9	12.1	19.3	17.3	14.7	13.9	14.1	13.6	12.9
U2af2	42.6	39.3	37.2	44.5	41.5	39.4	41.4	39.8	38.5	40.6	40.1	37.3
U2surp	9.8	9.9	11.3	10.8	9.3	10.1	10.2	9.7	8.3	9.9	11.7	11.5
Uaca	10.1	11.1	12.6	10.4	9.6	8.1	10.5	12.5	9.3	13.4	11.1	13.5
Uap1	43.0	43.3	38.4	39.6	36.3	38.6	37.9	35.1	33.3	29.6	38.3	34.4
Uap111	44.0	24.2	19.4	46.5	34.8	39.4	18.0	22.3	16.3	28.4	18.1	25.4
Uba1	83.6	76.5	69.1	86.1	85.6	80.3	80.1	76.9	69.8	74.3	78.0	75.6
Uba1y	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uba2	34.0	32.9	36.3	31.9	31.9	30.2	36.9	36.8	36.1	33.4	40.0	36.1
Uba3	41.0	39.4	36.1	43.0	33.6	43.0	36.8	37.9	35.0	37.4	45.5	39.2
Uba5	34.3	30.1	29.6	33.9	30.3	31.2	30.1	28.9	28.9	31.9	35.1	35.2
Uba52	1247.5	1027.6	1038.9	1173.2	967.4	1134.3	1054.0	1272.4	912.0	1077.8	1091.7	1048.6
Uba6	7.6	8.4	8.0	7.8	8.2	8.7	7.0	7.2	8.3	8.6	9.7	9.1
Uba7	5.7	5.3	6.9	6.6	7.2	6.4	4.9	4.4	5.7	4.1	3.4	4.9
Ubac1	9.7	8.5	7.0	7.0	7.2	8.2	8.1	7.7	7.4	8.0	8.0	8.4
Ubac2	10.0	9.0	8.0	10.3	9.6	9.3	7.6	9.8	9.3	9.8	9.2	7.7
Ubald1	5.5	6.1	5.2	7.0	7.5	5.8	7.2	5.9	6.9	6.5	6.4	6.2
Ubald2	12.7	7.1	5.7	4.7	10.1	7.8	6.3	7.0	10.2	8.9	10.4	8.7
Ubap1	27.2	25.1	21.4	32.0	23.0	29.9	20.9	18.9	18.6	18.0	21.2	20.0
Ubap2	8.5	9.5	10.0	9.7	8.8	8.3	10.8	8.5	7.9	6.5	8.8	6.7
Ubap2l	22.6	24.4	27.7	26.3	23.8	22.5	28.6	27.1	20.3	21.7	25.2	23.5
Ubash3b	1.3	1.1	1.1	2.9	4.8	1.1	2.5	1.1	1.3	2.9	1.5	1.5
Ubb	542.5	508.0	518.0	684.7	580.9	637.9	659.1	612.9	506.9	590.8	618.4	549.3
Ubc	356.6	353.6	298.1	399.6	349.0	386.2	389.6	319.8	374.9	408.2	371.2	370.5
Ube2a	15.9	15.8	14.1	15.0	16.4	13.6	14.6	13.7	15.7	17.7	16.9	16.8
Ube2b	29.6	32.1	34.2	29.8	33.2	33.8	30.8	27.8	31.3	40.0	37.3	36.2
Ube2c	5.3	10.4	16.1	1.9	14.0	1.5	23.2	6.4	16.9	7.3	14.9	7.1
Ube2cbp	0.1	0.2	0.1	0.2	0.2	0.3	0.0	0.1	0.2	0.2	0.2	0.1
Ube2d1	7.4	7.8	7.9	9.6	8.8	9.1	10.1	7.7	7.4	8.3	7.6	8.4
Ube2d2a	32.3	32.8	31.4	33.2	33.5	34.9	31.2	30.0	35.7	33.7	34.9	34.5
Ube2d2b	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1
Ube2d3	56.8	64.1	77.9	84.7	75.2	73.3	82.6	78.7	72.4	70.8	90.4	86.6

Online Table 1

Ube2e1	28.3	22.5	22.9	32.2	23.5	29.5	24.3	19.7	20.5	27.6	28.8	29.1
Ube2e2	10.6	11.9	15.0	10.4	13.8	12.7	16.4	14.3	12.4	12.1	15.2	18.5
Ube2e3	16.2	20.7	20.3	13.8	18.0	17.1	20.9	21.6	22.4	21.4	18.9	20.0
Ube2f	31.5	29.4	25.5	36.0	35.8	29.6	32.4	26.2	27.0	26.8	29.2	27.7
Ube2g1	7.1	8.9	8.5	7.4	8.7	8.2	8.6	9.1	8.9	9.5	9.9	9.6
Ube2g2	29.4	23.1	21.4	32.9	27.7	26.9	31.6	26.5	26.9	26.3	30.8	25.7
Ube2h	49.1	57.5	57.0	41.5	39.3	46.9	37.9	43.0	44.4	51.9	48.4	51.6
Ube2i	78.6	66.6	59.3	77.1	68.6	75.4	68.1	60.2	64.3	75.5	71.2	67.5
Ube2j1	29.0	29.6	31.7	35.0	31.0	32.2	32.2	32.7	31.6	32.5	36.1	35.3
Ube2j2	3.0	2.1	2.6	2.1	3.0	2.4	2.9	3.0	3.4	2.7	2.5	2.3
Ube2k	7.0	7.2	8.1	9.3	7.9	8.1	7.3	7.0	7.4	7.8	8.3	8.7
Ube2l3	49.7	43.7	39.2	57.4	46.5	49.6	42.8	43.5	40.6	47.0	50.2	43.9
Ube2l6	21.8	19.1	20.5	27.2	23.8	14.9	18.6	17.5	15.4	22.5	17.2	22.5
Ube2m	59.2	51.8	45.5	60.1	53.4	60.1	57.6	55.7	53.2	49.6	56.6	49.7
Ube2n	17.0	15.7	17.4	18.5	17.0	17.6	18.2	17.4	16.5	18.2	20.6	18.1
Ube2o	7.7	8.5	7.9	7.8	8.1	8.0	10.2	7.0	8.7	7.8	7.8	6.6
Ube2q1	18.1	18.2	16.4	19.6	18.9	14.9	17.8	17.4	18.1	20.5	17.5	18.1
Ube2q2	12.1	10.3	12.9	13.1	11.9	14.3	11.4	11.7	11.0	14.2	13.9	14.4
Ube2ql1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Ube2r2	27.9	25.9	26.9	31.6	24.5	30.0	27.8	27.0	25.4	24.9	31.6	28.7
Ube2s	74.6	60.5	64.8	63.9	69.0	56.4	85.6	58.8	77.9	68.8	78.9	66.0
Ube2t	1.2	2.7	3.3	0.3	3.7	0.6	4.1	1.2	3.7	1.5	2.8	2.2
Ube2u	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ube2v1	50.4	44.5	40.2	59.1	45.0	52.7	53.5	49.2	44.0	50.5	55.2	46.4
Ube2v2	5.6	7.3	7.4	7.5	6.9	7.1	6.6	6.9	6.3	7.3	7.9	7.8
Ube2w	13.7	15.7	15.2	17.4	15.6	16.6	14.4	14.6	17.3	19.5	19.2	20.7
Ube2z	21.8	22.2	20.9	22.3	22.7	22.5	27.3	24.2	27.4	24.1	24.0	24.1
Ube3a	13.9	15.7	15.3	14.2	14.0	14.2	14.6	13.2	14.2	16.3	16.7	18.0
Ube3b	13.9	16.1	14.6	12.2	14.6	13.2	15.9	14.6	16.2	13.1	13.7	12.0
Ube3c	16.9	15.9	14.6	16.1	15.6	15.2	16.5	17.7	17.8	17.3	17.6	18.7
Ube4a	9.5	9.6	9.0	10.9	10.1	9.4	8.9	9.9	9.1	9.3	9.9	9.0
Ube4b	12.5	14.8	14.6	12.1	13.7	12.1	14.9	16.1	14.4	14.2	14.5	13.5
Ubfd1	15.2	17.5	15.3	14.2	16.8	12.7	15.2	17.9	18.0	19.7	17.5	17.2
Ubiad1	4.1	4.3	4.0	3.8	4.4	4.2	4.6	5.3	4.9	4.4	4.3	3.7
Ubl3	19.9	16.6	15.1	28.9	22.6	26.1	16.7	15.2	15.1	17.1	16.3	17.2
Ubl4	9.0	8.4	8.4	7.9	8.8	7.2	8.4	10.2	9.3	7.9	8.9	7.9
Ubl5	36.5	31.1	32.7	36.7	29.7	34.5	29.7	32.1	30.4	31.2	32.5	30.6
Ubl7	18.8	20.6	18.3	20.4	16.5	21.3	17.3	18.8	16.8	14.8	16.1	15.7
Ublcp1	19.8	21.6	21.0	20.4	19.2	21.4	18.2	20.4	19.6	20.5	23.3	22.9
Ubn1	8.9	10.1	10.2	8.3	9.0	8.6	9.1	9.2	9.3	9.6	9.2	10.2
Ubn2	1.3	1.8	1.9	1.4	1.6	1.3	1.5	1.7	1.5	1.5	1.5	1.5
Ubox5	1.4	1.7	1.6	2.0	1.7	1.6	1.4	1.4	1.5	1.8	1.4	1.3
Ubp1	12.5	14.3	14.2	12.9	13.1	12.5	15.1	13.7	15.0	11.3	13.8	12.4
Ubqln1	29.5	27.2	27.6	35.8	29.7	29.4	32.3	27.9	28.4	30.4	33.9	30.0
Ubqln2	2.3	2.8	2.6	3.8	2.9	3.0	4.0	2.6	2.9	2.8	3.2	2.2
Ubqln4	9.4	9.1	7.8	11.3	9.6	9.9	9.8	8.2	8.5	9.0	9.1	8.2
Ubr1	8.7	11.8	12.3	8.4	10.6	7.9	12.5	13.9	14.3	10.9	11.4	13.1
Ubr2	9.8	10.6	10.3	10.0	9.8	10.2	10.7	11.0	10.3	9.8	10.4	10.1
Ubr3	9.8	9.2	10.4	9.6	9.6	9.2	10.0	9.6	9.2	9.9	10.3	10.6
Ubr4	15.4	16.8	15.1	16.4	15.8	17.3	18.4	13.7	14.9	13.8	13.1	12.1
Ubr5	43.2	57.1	51.6	41.3	40.4	43.3	48.9	42.6	49.6	47.6	49.7	56.1
Ubr7	10.5	12.3	12.3	9.4	9.9	11.1	9.2	10.2	10.7	12.2	10.9	10.6
Ubsd1	29.1	25.8	18.1	28.2	28.4	24.6	28.4	24.0	25.6	26.5	23.7	22.0
Ubsd2	8.1	9.5	11.5	7.3	8.3	7.7	9.8	15.4	12.9	10.6	11.5	11.4
Ubif	21.2	22.1	27.3	21.6	19.9	21.0	23.7	26.9	23.3	21.2	24.8	24.3
Ubxn1	107.3	88.0	95.7	135.0	78.3	129.8	89.9	86.2	65.1	76.5	98.8	99.7
Ubxn10	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Online Table 1

Ubxn11	1.0	0.6	0.5	0.9	0.5	2.0	0.6	0.5	0.4	0.7	0.7	0.5
Ubxn2a	23.7	20.1	21.5	25.9	18.0	27.6	18.6	14.8	15.6	20.5	21.5	22.9
Ubxn2b	2.7	2.2	2.3	3.3	2.3	3.0	2.0	2.3	2.3	2.9	2.7	3.0
Ubxn4	42.6	37.9	37.6	51.7	36.5	44.7	41.6	35.0	35.4	42.7	48.5	49.2
Ubxn6	27.6	26.6	24.3	28.0	24.4	27.0	25.6	27.1	27.9	25.9	24.8	28.1
Ubxn7	5.5	6.6	7.2	5.0	5.1	5.4	5.4	5.8	5.6	7.3	6.6	6.4
Ubxn8	5.6	4.1	5.1	7.5	5.3	5.2	7.6	6.1	5.8	6.5	7.8	7.8
Uchl1	42.1	20.7	15.1	55.6	54.4	60.5	17.6	22.6	10.2	14.8	17.3	12.2
Uchl3	12.3	10.7	11.3	12.0	12.1	13.4	10.1	10.4	9.4	9.6	11.4	12.3
Uchl4	0.2	0.3	0.1	0.2	0.4	0.4	0.3	0.2	0.1	0.2	0.1	0.0
Uchl5	6.7	7.5	6.0	9.5	8.5	9.3	6.8	6.2	5.9	7.3	6.9	7.3
Uck1	13.9	12.5	11.1	13.2	12.1	12.6	13.1	13.1	14.6	15.5	14.6	13.6
Uck2	34.4	34.4	41.4	29.5	34.0	31.8	41.8	49.7	37.0	49.5	47.6	43.8
Uckl1	14.4	13.9	11.0	13.5	13.4	14.0	10.9	12.7	14.8	13.6	13.7	14.0
Ucn2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Ucp2	0.6	0.1	0.2	5.1	9.8	0.1	1.3	0.4	0.3	1.0	0.5	0.6
Uevld	8.0	8.1	8.5	7.5	7.5	9.6	7.2	6.6	7.3	7.0	7.7	7.8
Ufc1	76.5	63.8	55.5	75.8	60.8	66.2	56.3	57.2	61.4	74.6	61.5	74.8
Ufd1l	21.7	18.1	16.4	21.7	19.6	19.2	20.3	18.2	19.7	18.2	19.7	19.9
Ufl1	10.4	10.2	10.1	9.8	7.9	10.1	7.9	8.5	8.4	8.8	10.8	10.9
Ufm1	24.6	18.9	16.6	30.7	19.4	26.3	21.4	16.3	18.1	21.9	24.9	24.8
Ufsp1	3.3	2.8	2.6	2.7	2.9	3.5	2.6	1.9	2.0	3.3	1.5	2.5
Ufsp2	35.5	30.9	35.9	38.5	33.3	32.5	33.1	34.5	29.9	31.6	36.6	39.3
Ugcg	41.5	62.2	82.6	49.9	65.7	49.4	82.4	80.4	73.1	37.1	52.7	63.3
Ugdh	45.9	52.3	52.9	34.1	44.9	38.5	46.5	44.5	40.8	46.8	46.4	49.4
Uggt1	29.7	27.2	28.0	24.5	29.0	26.8	26.9	30.8	25.6	25.7	27.8	26.3
Uggt2	2.5	2.7	3.1	2.0	2.3	2.5	2.5	2.7	2.7	3.4	3.1	2.9
Ugp2	58.7	71.4	76.4	51.2	62.3	46.1	44.5	58.3	54.4	49.7	50.9	59.4
Ugt1a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0
Ugt1a10	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.2	0.1	0.0
Ugt1a2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ugt1a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0
Ugt1a6a	9.8	11.8	16.5	9.1	13.0	10.8	7.3	20.4	9.7	18.0	16.9	10.9
Ugt1a6b	4.7	4.9	6.1	2.3	5.4	3.4	3.7	9.4	4.0	9.8	7.8	5.2
Ugt1a7c	15.5	11.6	13.5	10.1	16.2	9.4	8.7	23.2	12.4	44.0	23.2	17.8
Ugt1a9	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Ugt2b35	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uhmk1	17.9	18.9	13.1	19.8	20.5	15.5	14.3	13.3	14.6	17.7	15.9	16.8
Uhrf1	3.4	6.9	9.7	1.7	9.9	1.8	11.7	6.5	7.5	4.2	7.1	4.3
Uhrf1bp1	3.6	4.1	4.1	3.1	3.9	2.6	4.3	5.3	4.4	3.5	3.9	3.6
Uhrf1bp1l	11.2	10.9	11.0	11.3	12.3	10.1	12.3	11.4	11.1	14.0	13.3	14.3
Uhrf2	16.6	20.3	23.9	16.6	19.2	18.5	17.9	20.0	21.9	21.5	23.2	22.3
Uimc1	14.2	14.2	16.7	13.0	12.3	13.8	13.9	14.6	12.3	12.2	15.3	15.4
Ulbp1	7.7	9.3	7.8	2.7	8.8	4.9	8.0	4.9	5.9	5.0	6.9	4.1
Ulk1	2.7	3.9	3.9	2.5	3.0	3.2	3.1	3.3	3.4	3.5	3.2	2.7
Ulk2	21.8	22.0	18.3	23.0	17.7	23.2	19.2	17.2	20.2	18.1	20.2	19.0
Ulk3	1.4	1.7	1.3	1.8	1.5	1.2	1.5	1.2	1.4	1.1	1.2	0.9
Ulk4	0.6	0.9	0.7	0.7	0.5	0.7	0.7	0.8	0.6	0.5	0.5	0.7
Umps	9.2	9.1	9.6	7.5	8.9	7.6	12.6	9.6	11.6	9.7	10.3	11.2
Unc119	13.8	12.2	8.8	15.8	13.5	13.4	12.7	11.8	11.0	15.2	12.2	11.6
Unc119b	9.9	9.9	9.8	8.5	9.3	9.7	10.0	9.5	10.5	10.4	8.8	9.4
Unc13a	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2
Unc13b	1.0	0.7	0.4	0.7	0.5	0.7	0.4	0.6	0.6	1.4	0.9	0.7
Unc13c	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.4	0.2	0.1
Unc13d	0.2	0.0	0.1	0.9	1.2	0.2	0.2	0.1	0.0	0.1	0.1	0.1
Unc45a	11.2	10.6	8.9	11.6	10.6	11.3	10.8	11.0	10.3	11.5	10.1	9.5
Unc45b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

Online Table 1

Unc50	29.1	29.3	22.5	28.5	27.2	29.9	24.2	25.3	30.0	27.2	29.1	25.3
Unc5a	0.7	0.7	0.7	0.9	0.7	0.7	1.0	0.9	0.6	0.6	0.5	0.5
Unc5b	50.5	66.3	65.8	46.8	65.9	49.6	89.6	70.5	87.6	73.8	64.4	77.7
Unc5c	0.3	0.2	0.4	0.2	0.2	0.2	0.3	0.4	0.2	0.2	0.2	0.3
Unc5d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unc79	0.1	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Unc80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unc93a	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Unc93b1	12.2	17.5	16.6	26.2	36.8	16.3	15.5	15.5	13.5	9.7	8.6	9.9
Ung	0.3	0.5	0.7	0.6	0.7	0.3	0.7	0.8	0.5	0.5	0.8	0.5
Unk	1.8	1.8	1.7	1.8	1.8	1.3	2.0	2.0	1.9	1.8	1.4	1.5
Unkl	2.2	3.3	3.3	3.0	2.3	2.6	3.0	2.5	3.1	3.1	2.8	2.8
Upb1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Upf1	10.2	9.8	12.4	10.9	10.9	10.4	15.3	13.4	12.8	10.2	11.2	11.9
Upf2	11.0	10.0	12.0	13.7	11.2	10.0	14.2	10.7	9.4	10.5	12.8	16.0
Upf3a	32.3	32.5	39.8	38.7	26.9	31.1	35.1	30.4	26.0	28.6	35.4	38.7
Upf3b	8.4	7.1	10.4	7.8	7.2	7.7	9.9	8.0	5.7	7.5	9.7	10.5
Upk1a	0.1	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
Upk1b	64.6	13.4	3.8	15.3	6.0	8.2	4.3	7.4	11.7	233.9	116.7	51.5
Upk3b	51.3	33.1	21.6	16.5	12.2	6.8	18.7	31.8	23.4	199.5	99.0	53.3
Upk3bl	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Upp1	0.3	0.1	0.2	0.4	0.3	0.1	0.2	0.2	0.3	0.1	0.2	0.1
Upp2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Uprt	7.1	6.2	5.8	8.5	6.6	6.8	7.0	4.8	6.2	6.3	7.9	8.2
Uqcc	8.1	7.8	8.3	9.8	8.3	9.1	8.6	7.7	8.8	9.1	8.8	9.6
Uqcr10	133.9	102.0	85.7	114.1	104.0	105.7	94.3	94.9	104.3	131.6	105.3	108.9
Uqcr11	222.3	175.2	135.2	185.0	186.3	214.3	171.9	166.9	168.9	205.2	167.5	165.6
Uqcrb	219.2	182.2	205.9	230.9	166.0	189.7	174.9	174.1	156.6	171.7	197.8	229.6
Uqcrc1	51.6	48.4	43.8	48.8	47.3	45.9	46.1	48.1	46.5	46.9	44.6	43.8
Uqcrc2	47.7	44.3	41.5	45.5	41.6	43.6	39.2	43.0	43.1	48.1	48.0	44.0
Uqcrfs1	41.7	33.3	29.8	30.3	32.7	28.6	29.1	32.1	34.8	41.1	29.8	33.3
Uqcrh	274.5	217.5	225.6	227.3	189.7	236.1	210.3	242.6	201.7	253.4	253.9	268.8
Uqcrq	100.4	72.0	71.1	79.1	84.1	78.4	71.6	99.9	84.3	83.8	85.0	75.2
Urb1	2.0	1.6	1.5	1.6	1.8	1.8	1.8	1.4	1.4	1.8	1.4	1.5
Urb2	3.4	3.3	2.6	3.0	3.8	2.8	3.3	3.1	3.1	3.2	3.5	2.9
Urgcp	8.2	8.4	7.1	7.7	7.2	7.5	8.0	7.1	8.1	8.7	6.6	7.5
Uri1	11.1	9.3	9.5	12.0	9.0	10.3	9.6	10.5	8.9	10.1	10.1	10.8
Urm1	12.6	10.8	8.9	14.5	11.1	12.8	12.3	11.0	11.1	13.2	11.8	9.8
Uroc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Urod	22.9	22.6	21.2	19.7	19.3	26.2	17.4	22.3	18.5	21.2	17.3	20.7
Uros	9.0	8.7	7.0	8.5	7.3	7.7	8.2	7.8	8.5	9.0	9.8	9.3
Usb1	7.3	6.7	6.6	7.7	8.3	6.3	7.5	6.6	6.6	6.7	7.5	6.6
Use1	73.4	55.4	52.7	53.3	47.7	67.6	50.9	60.0	60.0	63.1	59.0	65.8
Usf1	9.9	8.4	9.5	9.9	10.0	10.2	10.1	9.7	9.6	12.4	9.8	10.6
Usf2	12.8	11.3	12.8	15.0	11.3	13.9	11.8	12.0	10.1	10.3	11.5	11.0
Ush1c	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ush1g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ush2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ushbp1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.0	0.0
Usmg5	184.8	191.3	158.4	175.9	167.6	179.4	142.4	159.8	164.7	198.8	204.6	183.2
Uso1	15.0	15.1	14.6	15.7	17.3	15.8	17.0	15.1	14.6	16.9	18.4	19.1
Usp1	5.7	6.2	8.9	4.7	7.0	5.1	9.6	8.1	7.0	6.3	8.7	8.0
Usp10	7.7	7.3	6.8	7.6	7.6	7.3	9.1	6.6	7.5	6.9	7.3	6.7
Usp11	1.4	1.2	1.9	1.4	1.3	1.3	1.4	1.6	1.6	2.0	1.5	1.6
Usp12	11.5	14.0	13.5	11.0	12.6	9.0	13.2	11.0	13.7	13.7	14.1	14.4
Usp13	1.0	1.2	1.2	0.8	0.9	1.3	1.2	1.3	1.5	2.1	1.7	1.6
Usp14	18.4	18.2	14.8	19.8	19.1	20.0	16.0	15.0	17.7	19.9	19.8	18.6

Online Table 1

Usp15	28.8	24.4	24.6	27.7	24.2	25.7	23.2	23.0	20.4	26.6	29.6	27.8
Usp16	29.1	24.7	23.7	30.1	27.1	21.3	28.6	26.9	25.1	24.1	31.8	30.1
Usp17la	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0
Usp18	8.2	2.7	3.6	8.0	3.1	4.0	3.6	1.6	2.4	1.1	3.2	6.3
Usp19	26.4	26.4	25.1	25.6	25.0	26.0	24.2	24.6	27.4	27.8	24.6	25.3
Usp2	1.0	1.1	1.1	0.3	0.9	0.8	0.8	0.6	0.8	0.9	0.9	0.8
Usp20	2.6	2.8	2.5	3.0	2.3	2.9	2.3	2.2	2.1	3.2	2.1	2.0
Usp21	5.5	7.4	8.2	5.4	6.9	6.2	5.7	6.9	7.7	7.5	5.5	6.5
Usp22	17.8	18.6	15.1	18.3	15.4	20.8	16.2	16.1	14.0	15.0	16.0	12.5
Usp24	10.6	10.5	8.8	9.4	9.9	9.9	9.0	8.7	8.5	8.0	9.2	8.4
Usp25	18.1	18.2	20.2	19.7	19.0	18.0	19.9	18.5	20.1	21.5	23.8	25.0
Usp27x	1.0	0.7	1.1	1.0	0.8	0.9	0.8	0.9	0.9	1.0	0.7	0.9
Usp28	1.9	2.6	2.7	2.2	2.2	2.3	2.5	2.7	2.5	2.2	2.7	2.1
Usp29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Usp3	8.6	7.6	9.2	7.9	7.8	8.3	7.8	8.3	6.4	8.2	9.0	8.1
Usp30	9.2	8.5	7.9	9.7	7.3	10.3	9.1	7.8	8.1	8.5	8.5	9.0
Usp31	3.7	4.4	3.8	3.8	3.7	3.5	3.4	3.2	3.8	3.7	3.9	3.2
Usp32	10.2	11.5	10.8	9.9	10.1	9.6	9.0	8.4	8.5	9.7	10.9	10.2
Usp33	15.8	15.7	16.3	16.8	14.6	16.4	16.4	14.8	16.1	17.8	18.7	19.4
Usp34	6.5	7.3	6.2	6.5	6.8	6.7	7.0	6.4	6.3	6.8	6.9	6.4
Usp35	2.0	1.9	1.6	1.5	1.7	1.4	1.7	1.5	1.7	1.6	1.3	1.9
Usp36	2.1	2.1	2.2	2.2	2.0	1.9	2.3	2.3	2.5	2.1	2.1	1.9
Usp37	1.7	2.5	2.8	1.8	2.4	1.8	2.4	2.4	2.3	2.4	2.7	2.2
Usp38	6.6	6.6	5.1	6.4	6.3	6.1	6.0	6.0	6.5	6.8	7.1	7.0
Usp39	18.8	18.8	18.4	20.3	17.3	18.2	18.8	20.7	17.3	18.9	20.7	17.7
Usp4	28.6	26.0	22.8	28.7	26.4	28.0	27.6	26.3	26.9	25.8	28.5	26.4
Usp40	8.2	8.9	9.8	7.4	7.6	8.7	8.6	10.4	9.9	10.5	9.8	9.7
Usp42	2.1	2.7	3.5	2.4	2.4	2.2	3.0	3.2	3.3	2.2	2.9	2.7
Usp44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Usp45	5.8	7.3	7.5	6.7	6.8	6.4	6.1	6.2	6.5	6.1	7.3	6.9
Usp46	22.0	23.8	19.8	19.3	17.1	21.4	18.2	23.5	18.5	17.9	22.4	19.0
Usp47	39.9	41.6	39.5	39.5	36.3	38.2	40.4	38.4	39.1	39.1	46.0	45.1
Usp48	7.7	7.9	8.6	8.3	8.3	8.7	7.9	8.7	8.4	7.9	8.7	8.8
Usp49	1.3	1.8	1.4	1.5	1.5	1.0	1.4	1.3	1.7	1.3	1.8	1.3
Usp5	38.2	33.6	28.6	39.7	35.2	36.6	39.2	35.3	36.4	37.3	35.1	33.6
Usp50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Usp51	0.1	0.0	0.0	0.1	0.1	0.0	0.2	0.1	0.0	0.1	0.0	0.0
Usp53	9.4	7.6	6.0	11.3	6.8	9.0	8.5	6.7	9.4	15.6	15.8	14.6
Usp54	3.1	2.7	2.6	3.0	2.2	2.8	2.4	2.1	1.8	2.6	2.8	2.7
Usp6nl	3.5	3.9	3.8	3.5	3.6	3.6	4.1	3.1	3.5	3.4	3.7	4.0
Usp7	16.7	17.9	17.4	18.5	16.8	16.4	17.5	17.1	16.2	15.7	18.3	17.6
Usp8	28.9	29.4	30.4	34.5	28.3	29.4	28.1	28.5	26.1	29.9	31.8	34.3
Usp9x	45.2	53.5	49.3	44.4	47.2	48.0	44.6	49.1	51.1	47.6	52.5	50.8
Usp9y	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Uspi1	5.1	4.9	4.0	5.5	5.5	5.2	5.0	4.6	4.9	6.0	5.2	4.5
Ust	5.2	5.6	6.1	6.0	6.3	4.9	4.9	4.6	4.8	3.9	4.3	5.1
Utf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Utp11l	33.2	33.1	35.0	38.1	32.5	32.6	39.0	32.1	29.3	33.5	40.2	38.9
Utp14a	9.6	7.0	6.6	9.1	7.4	8.6	6.6	6.4	5.6	7.3	7.7	7.1
Utp14b	2.5	3.3	2.9	1.6	2.4	1.9	4.2	3.9	2.9	1.5	2.8	2.0
Utp15	3.9	3.5	3.5	3.9	4.7	4.5	3.4	3.2	3.4	3.5	3.6	3.1
Utp18	10.3	8.9	7.8	9.5	9.4	9.0	9.8	10.0	8.6	10.3	10.8	9.6
Utp20	8.9	7.6	6.8	7.5	8.5	8.4	7.2	6.5	6.3	7.4	7.4	7.2
Utp23	2.4	2.7	2.8	2.3	2.7	2.9	2.5	2.6	2.6	2.7	2.6	3.2
Utp3	31.5	25.7	28.1	36.1	27.4	30.3	32.4	24.7	24.0	29.1	34.1	35.9
Utp6	19.0	17.1	17.9	23.7	17.8	20.9	19.2	17.6	15.3	20.1	20.1	20.7
Utrn	24.3	22.3	20.9	23.6	20.3	26.1	20.3	17.6	17.5	21.1	23.3	21.0

Online Table 1

Uty	5.3	5.6	6.2	5.9	5.7	6.0	4.2	5.0	4.7	6.2	5.2	5.9
Uvrag	21.7	23.4	23.4	20.9	22.8	17.5	23.0	18.3	25.0	20.7	21.4	23.0
Uvssa	3.2	3.9	4.7	3.2	2.8	3.9	3.3	3.8	3.0	2.6	3.3	3.8
Uxs1	26.8	20.4	21.1	22.7	21.2	20.7	24.1	22.1	17.8	18.6	21.7	21.1
Uxt	13.4	12.5	11.1	12.7	12.3	11.7	11.6	11.9	11.6	10.3	9.8	10.4
Vac14	5.5	4.4	4.3	6.4	5.4	5.4	5.5	5.2	5.2	3.8	4.2	3.9
Vamp1	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1
Vamp2	2.6	2.4	2.8	2.2	2.3	2.7	3.4	3.3	3.0	2.4	1.8	2.8
Vamp3	48.9	47.4	42.6	46.0	46.4	43.0	44.3	47.3	49.8	45.8	53.0	41.3
Vamp4	5.1	6.5	7.2	5.6	5.3	6.5	4.5	5.3	5.6	5.5	6.4	6.8
Vamp5	18.5	30.4	28.6	15.4	25.9	20.1	37.0	51.6	46.2	32.5	36.8	32.2
Vamp8	48.5	33.9	34.6	65.8	44.7	38.8	48.5	41.7	42.5	53.9	53.1	52.8
Vangl1	5.7	6.0	6.5	6.4	6.1	6.1	8.6	7.7	7.6	6.0	6.8	6.7
Vangl2	1.2	1.5	1.2	0.6	0.7	1.1	1.2	1.9	1.7	1.1	0.9	1.0
Vapa	84.8	84.1	72.9	86.8	86.7	72.5	91.6	86.1	99.5	80.5	102.3	92.2
Vapb	18.1	15.2	12.5	18.9	15.0	17.8	14.7	13.0	12.6	15.2	15.6	14.1
Vars	15.1	13.3	12.3	13.1	12.1	14.3	15.1	14.9	14.5	12.5	13.5	10.5
Vars2	3.5	3.9	3.5	3.2	2.7	4.1	3.2	4.0	3.3	2.7	2.7	2.6
Vash1	1.4	1.2	1.7	1.1	1.2	0.8	0.9	2.4	1.4	0.6	0.4	0.6
Vash2	0.3	0.6	1.0	0.1	0.4	0.5	0.6	1.1	0.9	0.3	0.6	0.5
Vasn	16.8	19.0	19.3	15.7	17.3	17.7	23.6	21.0	21.0	23.8	19.6	17.8
Vasp	22.9	25.4	23.3	26.8	37.2	20.0	29.6	27.3	33.8	28.9	28.1	24.7
Vat1	111.0	82.3	60.6	136.1	85.9	135.8	79.5	83.0	72.1	80.1	79.0	78.8
Vat1l	4.6	0.3	0.0	1.1	0.2	0.2	0.1	0.6	0.6	28.1	14.5	3.4
Vaultrc5	106.0	94.0	89.6	111.6	140.9	92.9	71.8	104.1	152.4	78.4	70.3	121.0
Vav1	0.6	0.0	0.1	5.7	11.1	0.0	1.6	0.1	0.2	0.7	0.2	0.7
Vav2	11.7	14.2	12.8	8.2	10.7	7.2	17.5	19.7	15.2	15.9	18.6	16.2
Vav3	0.6	0.8	1.3	1.6	2.4	0.2	0.6	2.1	1.1	1.0	0.8	1.0
Vax2	4.1	2.3	1.0	4.2	1.9	4.5	1.4	1.1	1.1	1.3	1.1	1.1
Vbp1	23.5	27.6	27.4	25.3	26.8	24.7	25.0	25.7	29.4	29.8	30.4	30.9
Vcam1	212.8	170.3	212.1	177.1	285.3	146.5	144.1	141.5	150.9	206.9	134.6	247.3
Vcan	2.9	4.9	8.7	1.4	6.3	1.6	8.9	20.8	7.3	6.8	8.8	6.3
Vcl	94.0	101.0	84.6	86.5	86.0	73.7	104.6	69.7	104.5	106.2	117.4	98.3
Vcp	244.6	217.7	202.7	244.3	225.5	226.8	240.3	241.5	224.9	245.7	251.3	245.7
Vcpip1	6.8	7.7	8.2	8.0	8.8	8.0	7.6	8.0	7.3	9.1	8.9	9.1
Vdac1	110.6	106.8	98.5	112.2	110.8	116.4	104.3	97.8	96.5	122.5	124.9	106.4
Vdac2	191.0	159.7	134.2	192.2	175.5	198.8	175.0	136.4	168.8	185.0	187.0	186.1
Vdac3	112.9	87.3	64.6	96.2	82.1	97.3	71.8	76.7	84.5	80.3	82.8	76.2
Vdr	0.9	1.6	2.1	1.3	2.0	0.7	3.4	3.0	3.1	3.6	3.3	2.9
Vegfa	53.8	65.2	57.5	53.2	51.6	60.4	106.7	77.8	100.4	53.7	77.1	69.8
Vegfb	6.2	6.1	5.3	7.2	5.0	8.8	4.6	5.0	4.8	4.1	5.5	3.9
Vegfc	16.3	23.3	23.1	10.9	22.0	7.6	19.9	15.0	22.4	14.2	14.1	17.3
Veph1	0.3	0.1	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1
VeZF1	10.9	10.0	10.0	12.4	9.2	11.9	9.7	9.1	8.9	9.4	12.0	10.4
VeZt	6.3	5.1	5.2	5.9	5.8	6.3	6.7	5.7	6.7	6.2	6.7	7.3
Vgf	0.3	0.5	0.4	1.0	0.3	0.7	0.5	0.1	0.4	0.5	0.4	0.1
Vgl3	65.7	94.8	88.7	83.6	73.2	84.8	87.0	84.7	84.4	70.5	93.3	83.4
Vgl4	8.9	9.3	9.6	11.9	10.0	11.2	9.5	10.9	9.9	14.0	8.8	9.6
Vhl	10.0	10.1	9.5	7.7	9.6	8.0	8.9	9.5	11.3	10.6	10.2	11.0
Vil1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Vill	2.0	2.3	1.8	0.7	1.9	1.6	0.9	2.0	1.2	2.3	2.3	2.4
Vim	1650.9	1202.6	1111.5	1427.9	1324.0	1453.6	1163.1	1246.8	1028.0	1065.0	1197.5	1038.4
Vimp	84.1	76.4	79.7	90.3	77.7	74.4	98.8	73.1	89.4	86.1	94.2	98.8
Vipas39	19.0	18.1	15.8	20.1	17.9	18.3	15.0	15.8	15.3	16.9	15.8	18.1
Vipr1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vipr2	0.1	0.2	0.3	0.1	0.1	0.2	0.1	0.2	0.1	0.0	0.0	0.0
Vit	5.8	2.5	3.4	2.7	2.1	2.2	1.7	3.7	0.7	2.6	3.6	1.9

Online Table 1

Vkorc1	76.3	72.0	65.8	79.7	71.3	72.7	69.3	72.4	67.5	80.5	73.2	78.1
Vkorc1I1	6.7	8.7	8.5	8.6	7.5	7.1	8.2	8.4	11.3	9.1	10.6	8.3
Vldlr	3.7	4.0	3.6	3.3	2.0	3.8	2.7	3.7	4.0	4.5	4.0	3.6
Vma21	4.9	4.9	7.4	9.1	6.9	7.0	6.5	5.5	5.1	6.0	7.7	7.9
Vmac	8.0	7.0	6.3	8.6	7.5	9.0	7.4	6.3	5.9	7.8	7.6	7.0
Vmn1r45	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn1r51	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Vmn1r53	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.0
Vmn1r58	1.2	1.9	1.7	1.0	1.9	1.2	1.8	1.2	1.4	1.6	1.2	1.3
Vmn1r65	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn1r90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0
Vmn2r2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r29	0.8	1.4	1.1	0.7	1.0	1.2	0.7	0.9	0.8	1.6	1.6	1.2
Vmn2r3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r31	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Vmn2r33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r46	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Vmn2r47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r57	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Vmn2r62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r-ps129	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Vmo1	1.1	1.1	0.8	2.0	0.7	1.4	1.1	1.5	0.7	0.9	1.0	1.0
Vmp1	50.1	58.1	60.9	57.8	55.5	56.7	54.3	63.4	64.1	52.6	62.6	63.4
Vnn1	8.9	4.0	3.5	5.4	3.8	4.1	2.6	1.2	1.8	9.1	5.9	3.0
Vnn3	0.3	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Vopp1	36.5	27.7	22.3	41.7	28.3	38.3	28.5	16.5	24.2	28.3	27.2	27.9
Vprbp	7.5	6.7	7.0	6.2	5.6	7.2	6.4	6.9	6.7	6.8	7.5	6.5
Vpreb1	0.3	0.6	0.1	0.1	0.3	0.1	0.1	0.3	0.3	0.6	0.3	0.1
Vpreb2	0.4	0.3	0.1	0.0	0.4	0.1	0.1	0.3	0.1	0.3	0.1	0.0
Vpreb3	0.1	0.0	0.0	0.0	0.2	0.3	0.2	0.0	0.1	0.0	0.0	0.0
Vps11	14.2	11.4	11.1	14.7	12.5	16.2	10.5	10.9	10.2	12.5	10.5	11.6
Vps13a	5.9	5.9	5.8	6.2	5.5	6.8	4.4	5.8	4.5	6.5	7.0	5.4
Vps13b	5.7	6.3	6.4	5.3	5.9	6.0	5.5	5.8	5.5	5.3	5.8	5.6
Vps13c	4.1	4.5	4.4	3.8	5.0	4.2	3.3	4.0	3.2	3.6	3.3	3.7
Vps13d	10.6	11.3	10.4	9.7	10.9	9.9	11.1	11.2	11.4	10.0	10.1	11.2
Vps16	13.5	13.6	13.0	13.0	13.9	14.5	13.8	12.4	12.7	11.3	11.5	12.4
Vps18	8.0	6.9	6.3	10.4	9.6	9.4	7.7	6.2	6.4	7.6	6.1	6.6
Vps25	30.2	28.0	28.4	31.0	24.3	30.7	22.6	29.5	24.0	27.1	25.4	26.4
Vps26a	39.4	37.1	32.9	50.3	36.0	41.9	35.8	31.7	29.8	37.1	40.9	43.5
Vps26b	10.2	9.9	9.5	9.7	8.4	9.3	8.9	9.4	8.9	9.2	9.1	8.9
Vps28	49.1	47.0	46.0	60.3	49.5	61.6	50.6	50.0	46.6	46.8	49.6	49.1
Vps29	62.8	58.0	47.9	69.5	63.3	63.7	56.9	49.0	51.2	57.7	60.4	58.7
Vps33a	9.1	8.6	8.3	11.5	8.5	9.2	8.4	7.9	7.9	7.3	8.0	8.4
Vps33b	5.4	5.3	4.5	4.4	4.6	5.1	4.8	4.8	4.9	5.1	4.7	4.6
Vps35	82.0	76.6	62.7	81.4	72.3	88.9	58.4	59.1	64.2	77.7	74.0	73.6
Vps36	33.5	33.4	32.0	33.3	33.2	30.3	32.0	29.3	29.9	36.5	37.1	34.0

Online Table 1

Vps37a	8.2	8.4	8.1	9.0	7.9	8.3	8.0	6.9	7.5	8.9	8.8	9.0
Vps37b	2.4	1.7	1.9	2.0	2.2	1.9	2.2	2.6	2.7	3.2	2.1	2.2
Vps37c	5.5	5.4	5.3	5.5	5.9	5.5	6.0	5.8	5.7	5.6	5.7	5.4
Vps37d	1.6	1.7	1.6	1.0	1.1	2.1	1.4	1.9	1.9	1.8	1.5	1.9
Vps39	14.0	13.7	12.7	15.9	12.6	15.0	11.9	12.4	10.8	10.9	12.1	11.8
Vps41	64.7	51.2	49.2	67.5	50.0	61.9	43.7	44.5	41.4	49.7	53.4	56.0
Vps45	6.7	6.9	5.5	7.7	6.5	7.8	4.8	5.3	5.6	6.5	5.4	6.5
Vps4a	29.3	30.4	28.2	30.2	26.3	29.4	31.4	29.6	28.8	28.3	35.7	31.5
Vps4b	19.8	21.1	21.5	22.6	24.1	20.6	21.4	21.3	23.0	22.0	23.2	23.9
Vps51	4.9	5.1	5.2	5.3	5.3	5.5	4.9	6.5	5.9	6.2	5.2	5.1
Vps52	16.4	16.7	16.9	15.3	16.9	16.8	16.1	16.7	17.0	16.3	13.8	15.3
Vps53	16.7	14.7	13.7	18.0	16.6	16.0	15.1	16.2	14.1	17.8	17.9	18.1
Vps54	6.4	6.9	7.3	6.2	6.0	5.0	6.0	6.7	7.8	7.2	8.1	7.8
Vps72	9.8	9.2	10.5	11.1	9.5	12.2	10.4	11.5	10.3	10.2	11.7	10.6
Vps8	12.0	10.8	9.9	10.6	10.2	12.6	9.9	10.0	10.2	10.3	10.8	11.1
Vps9d1	2.9	3.6	3.5	2.5	3.4	3.7	3.8	3.8	3.6	2.8	2.9	3.0
Vrk1	2.3	2.4	2.6	1.8	2.4	2.1	2.7	1.8	2.0	1.8	2.2	2.0
Vrk2	9.2	8.6	7.6	8.5	8.5	9.3	6.9	7.1	8.2	7.1	8.4	8.4
Vrk3	5.7	5.6	6.2	7.2	6.4	5.5	6.1	7.0	5.8	5.8	4.7	5.7
Vsig10	1.6	2.0	2.4	2.1	1.6	1.7	2.6	1.8	1.9	1.8	1.7	2.2
Vsig8	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Vstm2a	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Vstm2b	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.4	0.4	0.0	0.1	0.1
Vstm4	0.3	0.2	0.3	0.2	0.1	0.4	0.2	0.5	0.7	0.5	0.5	0.4
Vstm5	1.3	0.9	0.6	0.9	0.6	1.2	0.7	0.5	0.5	0.6	0.6	0.8
Vta1	31.4	30.3	24.1	29.1	28.1	29.4	24.3	23.6	25.6	28.4	29.2	26.9
Vtcn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Vti1a	8.7	9.0	9.2	8.3	6.9	8.2	8.6	9.4	6.8	6.6	8.1	8.2
Vti1b	91.1	67.0	59.9	103.0	67.5	93.4	77.0	63.9	69.7	77.1	81.0	87.1
Vtn	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Vwa1	1.2	1.0	1.0	1.0	1.3	1.3	1.6	1.2	1.5	1.3	0.8	1.0
Vwa2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vwa3a	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vwa5a	41.1	36.3	36.3	44.5	41.7	41.7	32.1	38.3	33.9	37.4	38.3	38.1
Vwa5b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vwa7	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.1
Vwa8	12.8	9.8	9.1	12.3	10.1	11.9	8.3	10.3	7.5	9.7	9.2	9.2
Vwa9	7.3	7.7	8.6	7.3	8.3	7.5	8.5	9.5	8.4	8.2	8.6	8.0
Vwce	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vwf	0.1	0.0	0.1	0.3	0.4	0.0	0.1	0.1	0.0	0.1	0.0	0.0
Wac	14.5	15.2	18.1	16.3	13.6	14.8	16.8	16.0	14.7	14.7	17.9	17.4
Wapal	22.3	22.0	23.3	22.1	22.2	19.1	20.0	21.0	19.5	20.4	23.8	22.8
Wars	23.7	22.7	14.6	28.4	18.2	25.0	22.8	23.5	22.0	16.4	21.5	16.4
Wars2	1.4	1.2	1.3	1.1	1.2	1.3	1.0	1.3	1.1	1.5	1.6	1.2
Was	0.3	0.0	0.0	3.5	4.6	0.0	0.7	0.1	0.1	0.3	0.1	0.4
Wasf1	0.1	0.3	0.4	0.2	0.1	0.3	0.3	0.4	0.3	0.5	0.3	0.4
Wasf2	10.1	13.1	13.5	12.5	12.7	10.2	14.2	15.3	13.3	10.0	12.3	11.3
Wasf3	2.4	2.6	2.1	3.7	1.8	4.3	2.6	1.4	1.5	1.1	1.6	1.5
Wash	9.0	8.5	6.8	9.9	8.0	9.1	7.3	8.0	8.4	8.3	7.9	8.3
Wasl	3.1	4.8	5.0	4.0	3.5	4.1	4.0	3.5	3.6	4.1	4.0	4.5
Wbp1	27.1	29.9	27.8	26.9	25.6	33.2	27.0	27.1	28.6	27.8	26.8	23.8
Wbp11	8.0	9.2	10.8	10.0	10.0	9.8	11.3	10.2	8.8	8.8	10.3	9.3
Wbp1l	22.7	24.1	24.2	19.9	22.0	21.3	23.5	23.9	23.6	22.4	21.4	22.1
Wbp2	24.5	22.9	19.9	28.0	23.5	30.4	23.3	21.7	19.4	22.1	23.1	20.4
Wbp4	19.6	19.2	17.6	19.6	15.0	20.7	16.8	16.4	16.5	16.8	20.1	18.9
Wbp5	110.8	81.9	105.8	131.3	92.2	113.9	98.7	88.9	78.2	118.6	137.9	135.4
Wbp7	0.9	1.2	1.2	0.8	1.2	1.0	1.4	1.2	1.4	1.0	1.0	1.0

Online Table 1

Wbscr16	4.0	4.0	3.2	3.7	4.0	4.2	3.7	4.5	4.1	4.0	3.8	4.1
Wbscr17	0.4	0.4	0.6	0.8	0.7	0.7	1.0	1.0	1.0	0.9	0.7	0.7
Wbscr22	12.7	12.4	11.9	15.3	13.2	15.8	13.1	14.6	13.3	12.7	12.8	13.3
Wbscr27	3.4	3.4	3.8	4.1	2.6	5.0	2.8	3.6	2.5	2.2	3.2	2.8
Wdfy1	5.6	4.5	3.8	4.5	4.9	5.2	5.0	3.6	4.3	5.0	4.7	4.5
Wdfy2	5.3	7.1	7.0	5.6	7.3	5.1	5.7	6.8	5.2	5.4	5.2	5.0
Wdfy3	5.2	6.3	6.2	5.6	6.6	5.6	7.1	5.5	5.6	5.3	5.5	5.2
Wdfy4	0.2	0.0	0.0	1.4	2.2	0.0	0.2	0.0	0.1	0.1	0.1	0.1
Wdhd1	1.1	1.7	1.9	0.7	1.7	0.6	2.3	1.5	1.7	1.1	1.6	0.9
Wdpcp	4.9	4.1	4.6	4.7	3.7	5.4	3.2	4.2	3.3	3.8	3.6	3.5
Wdr1	127.6	102.0	83.0	142.6	142.7	98.2	134.4	101.7	118.0	116.1	143.3	118.8
Wdr11	8.3	8.3	8.4	8.7	8.9	8.6	8.4	8.8	8.4	7.7	7.7	7.8
Wdr12	9.4	6.6	5.3	9.5	7.4	8.9	5.9	5.0	5.8	7.4	6.9	6.7
Wdr13	9.3	8.3	7.8	9.9	8.3	9.3	10.0	8.0	9.5	8.9	10.6	8.8
Wdr16	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wdr17	0.3	0.1	0.1	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Wdr18	11.5	10.7	7.3	11.9	10.9	11.4	10.0	9.2	9.7	10.4	9.7	8.9
Wdr19	5.0	5.5	5.7	4.6	4.0	6.9	4.1	5.1	4.2	5.0	5.0	5.2
Wdr20a	5.4	5.0	5.8	6.0	4.9	5.7	5.7	6.1	4.8	5.1	6.6	6.3
Wdr20b	0.6	0.5	0.5	0.8	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.5
Wdr24	6.4	6.4	5.7	7.4	5.6	7.7	6.0	6.9	6.3	6.0	5.6	6.1
Wdr25	1.3	1.5	1.2	1.1	1.3	1.4	1.1	1.0	1.1	1.2	1.1	1.4
Wdr26	19.4	21.4	20.3	18.6	21.1	19.1	18.1	17.3	19.0	19.8	18.6	19.7
Wdr27	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Wdr3	9.5	8.7	7.6	9.2	10.2	9.3	9.3	8.5	8.7	10.2	9.9	8.5
Wdr31	0.2	0.2	0.4	0.1	0.2	0.6	0.2	0.2	0.2	0.2	0.1	0.3
Wdr33	16.0	16.0	15.2	14.0	13.5	15.1	13.3	14.3	14.4	12.7	15.1	17.9
Wdr34	4.0	3.0	3.6	3.2	3.0	4.2	4.2	3.2	3.0	3.6	3.8	3.8
Wdr35	13.5	11.5	11.9	8.9	9.9	10.8	7.7	7.9	7.1	11.8	10.4	9.5
Wdr36	19.5	19.4	14.6	18.8	17.3	18.7	17.2	17.2	16.5	18.9	19.0	15.0
Wdr37	4.6	5.2	5.2	4.8	4.9	3.8	4.7	4.8	4.5	5.5	4.7	4.5
Wdr38	0.2	0.0	0.0	0.2	0.1	0.0	0.2	0.1	0.2	0.0	0.1	0.1
Wdr4	3.0	2.3	1.9	2.1	2.8	2.5	2.7	2.3	2.5	2.6	2.3	1.9
Wdr41	7.5	6.7	5.8	8.0	7.5	7.0	6.9	7.4	6.4	7.4	7.1	6.4
Wdr43	15.9	13.2	13.6	18.0	14.3	13.9	16.4	16.0	12.9	15.1	18.2	17.0
Wdr44	2.9	3.0	2.8	3.0	2.9	2.3	2.9	2.7	3.4	2.9	3.8	4.2
Wdr45	14.9	11.0	10.5	13.3	11.7	15.3	9.5	12.5	10.6	14.6	11.6	12.1
Wdr45b	20.2	21.5	19.2	18.9	20.0	18.4	20.5	22.4	19.5	19.7	19.9	19.1
Wdr46	8.9	8.0	6.6	9.3	8.7	9.7	8.2	8.0	6.7	7.2	7.5	7.5
Wdr47	4.5	4.6	3.4	4.6	4.3	4.4	3.8	3.1	4.6	4.4	5.4	4.3
Wdr48	16.2	15.8	14.8	18.5	15.3	17.4	15.3	15.4	14.4	15.6	18.1	16.6
Wdr5	10.2	9.9	8.9	9.8	8.9	8.2	9.3	9.5	9.5	9.0	9.3	8.9
Wdr52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wdr53	7.3	8.1	7.1	7.2	7.0	5.5	5.1	5.8	5.8	6.6	7.1	6.4
Wdr54	0.8	0.7	1.3	0.4	0.6	1.2	0.5	0.7	1.1	0.8	0.7	0.6
Wdr55	8.9	10.4	8.1	10.3	9.6	8.4	9.1	10.4	8.1	9.5	9.8	9.0
Wdr59	2.1	2.6	2.2	2.0	2.3	2.0	2.5	2.5	2.3	2.2	2.1	2.3
Wdr5b	1.8	2.7	2.9	1.7	2.5	2.3	2.1	2.8	2.5	2.1	1.7	3.0
Wdr6	18.8	19.3	19.5	13.7	16.9	15.6	18.3	19.3	21.1	20.6	16.1	16.9
Wdr60	5.7	5.9	6.6	6.9	5.0	6.5	6.9	5.7	4.7	5.3	6.3	6.8
Wdr61	52.8	48.4	41.7	41.5	42.5	47.3	42.0	37.3	39.9	43.4	41.2	44.6
Wdr62	0.8	0.7	0.9	0.8	0.9	0.2	1.3	0.8	0.9	0.4	0.6	0.5
Wdr63	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Wdr65	0.1	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Wdr67	7.2	7.5	8.8	5.7	6.7	7.9	7.4	6.3	6.7	5.4	7.3	5.7
Wdr69	0.1	0.3	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1
Wdr7	10.3	10.0	9.1	11.7	9.0	11.4	8.1	7.7	7.6	8.4	8.8	9.6

Online Table 1

Wdr70	5.9	6.3	6.9	7.3	5.7	7.1	6.7	5.5	4.8	6.4	5.1	5.4
Wdr72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Wdr73	4.3	3.7	3.6	4.3	3.4	4.4	3.0	3.8	3.6	3.9	3.2	3.7
Wdr74	16.2	14.2	11.4	16.1	12.7	14.4	15.3	12.1	11.7	12.6	16.0	13.0
Wdr75	16.1	14.9	12.4	15.1	15.2	14.2	15.2	15.1	13.9	16.6	15.8	14.8
Wdr76	0.7	1.0	1.4	0.6	1.1	0.9	1.5	0.9	0.9	0.7	0.9	0.7
Wdr77	8.6	6.4	5.6	8.0	8.3	7.2	7.3	7.8	7.3	8.5	8.5	6.6
Wdr78	2.2	2.2	2.2	1.9	1.7	2.7	1.4	2.0	1.3	2.0	2.2	1.8
Wdr8	9.3	7.9	5.8	6.8	7.4	8.5	6.0	6.3	7.3	6.9	6.6	5.6
Wdr81	7.2	6.7	5.6	8.2	9.0	8.1	7.6	5.7	7.0	7.5	6.1	6.1
Wdr82	15.0	16.8	15.8	14.4	15.0	15.8	15.1	17.0	18.1	15.6	16.8	16.0
Wdr83	8.3	9.0	7.1	8.9	7.3	9.6	7.7	7.7	8.5	7.2	7.1	7.2
Wdr85	2.5	2.7	2.8	3.3	2.2	3.2	2.4	2.7	2.6	2.8	3.0	3.2
Wdr89	1.7	1.4	1.1	1.3	1.1	1.0	1.2	1.6	1.1	1.0	1.4	1.3
Wdr90	0.5	0.7	1.0	0.3	0.7	0.5	1.0	0.6	0.9	0.4	0.6	0.5
Wdr91	5.0	4.3	4.9	7.1	6.9	4.6	5.2	4.7	3.8	5.8	4.8	4.1
Wdr92	9.2	8.7	8.0	9.3	9.2	8.3	9.1	7.3	7.6	15.2	10.2	11.5
Wdr93	0.3	0.3	0.3	0.2	0.2	0.5	0.3	0.2	0.1	0.2	0.1	0.1
Wdr95	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Wdr96	0.3	0.3	0.3	0.5	0.3	0.3	0.4	0.4	0.3	0.2	0.4	0.4
Wdsub1	6.7	6.8	7.5	6.6	5.7	6.5	5.6	7.7	7.1	6.7	7.3	7.6
Wdtc1	5.6	5.3	5.2	4.8	4.4	5.6	4.6	5.4	5.0	5.6	5.2	4.1
Wdyhv1	7.2	5.9	5.9	6.6	6.6	6.3	5.2	5.6	5.0	4.4	4.7	4.9
Wee1	3.0	4.0	4.7	2.7	3.5	4.2	4.2	2.8	3.3	3.0	3.5	2.9
Wfdc1	0.6	0.1	0.3	0.5	0.0	0.5	0.1	0.1	0.2	0.2	0.1	0.3
Wfdc12	0.0	0.1	0.4	0.0	0.1	0.0	0.1	0.4	0.1	0.1	0.2	0.2
Wfdc15a	0.2	0.3	0.0	0.0	0.4	0.0	0.0	0.4	0.1	0.0	0.0	0.1
Wfdc17	7.4	0.3	1.0	42.0	36.3	0.0	8.2	2.9	0.9	2.0	1.9	2.5
Wfdc18	0.1	0.2	0.0	0.0	0.3	0.1	0.0	0.2	0.2	0.4	0.1	0.1
Wfdc3	0.3	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.1	0.1
Wfdc5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Wfdc6a	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Wfikkn1	0.1	0.1	0.2	0.1	0.1	0.2	0.3	0.2	0.1	0.3	0.2	0.1
Wfikkn2	0.3	0.3	0.5	0.5	0.2	0.3	0.3	0.5	0.3	0.3	0.1	0.3
Wfs1	8.6	7.8	6.9	9.9	7.3	8.3	9.4	8.4	7.4	6.8	8.2	7.0
Whamm	4.3	4.6	4.8	6.2	4.2	5.2	4.1	3.5	4.1	4.6	4.4	4.4
Whrn	0.5	0.6	0.4	1.5	0.5	0.6	0.6	0.7	0.8	1.4	0.3	0.6
Whsc1	6.1	6.3	7.1	5.0	6.9	5.5	6.9	4.9	6.3	6.2	7.1	5.9
Whsc111	8.7	11.4	11.8	10.1	9.5	9.8	11.8	9.7	9.0	10.0	11.0	11.2
Wibg	7.8	7.7	8.5	11.7	6.2	6.9	8.1	9.0	6.6	6.9	7.3	7.8
Wif1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Wipf1	5.4	5.6	5.0	8.0	7.2	5.5	5.4	3.6	4.6	4.3	4.2	4.4
Wipf2	0.8	1.0	1.0	1.2	0.8	0.9	1.1	1.0	0.8	0.9	0.9	0.8
Wipf3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Wipi1	37.9	47.1	50.7	34.6	44.0	36.2	57.6	57.4	52.9	42.6	51.6	53.6
Wipi2	28.2	24.2	21.9	27.6	22.8	28.5	24.0	25.2	23.7	24.3	23.7	23.6
Wisp1	91.2	74.1	55.7	110.7	113.5	88.4	139.0	132.2	169.9	109.8	137.2	134.0
Wisp2	889.6	848.1	849.2	916.1	791.4	853.7	954.4	1006.2	992.8	674.4	749.7	835.5
Wiz	1.2	1.7	1.7	1.7	1.4	1.7	1.4	1.7	1.6	1.4	1.6	1.4
Wls	219.2	174.5	132.7	214.8	146.1	209.2	152.3	140.7	182.5	197.7	188.3	197.3
Wnk1	19.9	22.8	18.9	22.3	22.0	21.7	23.8	15.2	17.4	15.9	20.3	16.5
Wnk2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Wnk3	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.4
Wnk4	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Wnt10a	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Wnt10b	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wnt11	0.2	0.4	0.4	0.1	0.3	0.2	0.3	0.4	0.3	1.1	0.7	0.4

Online Table 1

Wnt16	0.2	0.1	0.2	0.1	0.1	0.0	0.3	0.5	0.2	0.2	0.6	0.5
Wnt2	0.1	0.0	0.1	0.2	0.0	0.1	0.3	0.0	0.0	0.6	0.4	0.3
Wnt2b	0.2	0.3	0.1	0.2	0.2	0.2	0.4	0.1	0.2	0.9	0.1	0.4
Wnt3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wnt4	0.2	0.4	0.3	0.1	0.3	0.2	0.2	0.4	0.5	2.2	1.1	1.0
Wnt5a	3.8	2.8	4.9	4.1	4.1	3.3	4.2	5.4	4.2	3.5	3.2	3.7
Wnt5b	0.5	0.6	0.9	0.7	0.6	0.5	0.8	0.7	0.4	0.9	0.7	0.8
Wnt6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wnt7b	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wnt8a	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Wnt8b	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Wnt9a	6.1	4.4	3.3	3.1	2.7	3.3	3.3	3.6	2.9	5.0	4.4	3.7
Wrap53	3.2	3.6	4.0	3.6	3.7	3.3	3.4	3.3	3.1	2.9	2.7	2.9
Wrb	7.1	6.4	4.9	8.2	6.2	8.1	7.0	6.2	6.9	8.4	8.2	7.3
Wrn	5.6	6.0	5.9	4.9	5.0	5.8	5.0	4.9	4.8	5.0	5.5	5.4
Wrnip1	11.8	12.0	10.5	7.8	9.5	10.7	11.1	10.2	12.0	12.4	11.6	12.5
Wsb1	24.0	20.3	19.1	20.9	26.6	17.9	22.4	18.7	23.4	26.2	24.6	22.6
Wsb2	87.1	70.5	51.6	85.6	69.0	75.6	78.3	59.9	68.2	75.4	77.7	67.5
Wscd1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0
Wscd2	0.7	0.4	0.6	0.5	0.4	0.4	0.9	1.4	0.7	0.3	0.5	0.7
Wt1	0.2	0.0	0.0	0.1	0.1	0.0	0.1	0.3	0.7	9.0	4.1	2.6
Wtap	21.3	19.7	21.1	20.4	22.7	17.5	21.9	24.1	23.9	24.0	26.7	24.3
Wtip	7.2	7.0	6.0	6.6	6.2	7.0	6.7	8.6	9.6	10.3	7.5	8.0
Wwc1	7.6	6.4	4.4	5.2	3.2	5.2	4.2	2.8	4.0	3.7	4.8	3.2
Wwc2	37.3	34.9	27.6	36.8	30.5	36.0	37.1	26.7	38.0	39.1	37.8	36.2
Wwox	4.3	4.0	4.0	3.3	3.2	5.3	2.8	3.4	2.8	3.6	3.6	3.3
Wwp1	28.4	24.9	22.8	32.1	24.0	28.1	21.9	17.6	19.9	18.9	27.1	23.6
Wwp2	8.3	6.0	5.4	10.6	8.2	9.0	8.0	7.4	6.9	6.8	7.9	7.7
Wwtr1	52.7	47.4	47.8	61.8	46.2	50.1	51.8	38.6	41.3	50.7	58.2	54.0
Xab2	10.9	13.3	13.8	11.4	11.8	12.6	13.5	13.1	11.9	11.4	10.9	12.9
Xaf1	4.8	2.7	3.0	5.7	3.0	3.3	2.4	2.6	2.4	1.9	2.4	4.7
Xbp1	48.1	45.9	40.6	47.5	45.7	39.7	44.2	56.8	55.0	53.7	56.1	53.3
Xcr1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Xdh	33.7	26.7	34.7	35.2	27.5	30.6	16.4	25.4	16.7	33.1	19.3	30.2
Xiap	6.1	7.1	8.4	6.4	6.5	6.5	5.7	7.0	7.2	6.6	7.4	8.3
Xirp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Xirp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Xist	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Xk	0.4	0.2	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.5	0.3	0.3
Xkr4	1.0	1.0	1.2	0.9	0.9	0.7	1.2	1.9	1.9	0.7	1.0	0.8
Xkr5	0.1	0.3	0.6	0.1	0.3	0.0	0.6	0.4	0.4	0.1	0.3	0.2
Xkr6	0.2	0.4	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.4	0.2	0.2
Xkr8	3.8	3.3	2.7	3.7	3.1	4.1	3.2	2.4	2.1	3.2	2.9	3.3
Xkrx	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Xlr	5.6	5.9	5.8	5.4	4.0	5.6	5.2	4.9	3.5	4.1	6.7	6.4
Xlr3a	1.3	2.1	0.7	1.8	1.0	3.2	0.6	1.1	0.8	0.4	1.1	1.0
Xlr3b	1.8	3.2	1.3	2.0	2.5	3.7	0.9	1.7	1.7	0.9	1.2	1.4
Xlr3c	1.0	1.8	0.7	1.1	1.2	1.8	0.6	1.0	1.0	0.5	0.7	0.8
Xlr4a	0.5	0.7	0.4	0.5	0.7	1.4	0.3	0.9	0.8	0.0	0.5	0.4
Xlr4b	0.2	0.3	0.2	0.2	0.4	0.8	0.2	0.4	0.3	0.1	0.3	0.2
Xlr4c	0.1	0.3	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.0	0.1	0.2
Xpa	20.7	15.3	17.9	17.1	11.5	13.8	13.5	15.8	12.4	14.3	18.6	20.5
Xpc	10.2	8.4	8.4	15.6	8.4	12.5	7.5	6.2	5.9	7.9	7.9	8.1
Xpnpep1	33.9	31.4	28.9	32.0	31.9	29.1	35.1	33.7	30.0	31.4	33.7	31.5
Xpnpep2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Xpnpep3	3.0	2.9	2.8	3.3	2.7	3.6	2.7	3.0	2.2	2.7	2.7	2.9
Xpo1	15.6	24.0	25.1	18.4	20.3	23.9	17.3	18.1	19.0	18.9	20.8	19.3

Online Table 1

Xpo4	3.8	4.5	4.6	3.3	4.5	3.3	3.8	4.1	4.3	3.5	4.3	4.2
Xpo5	19.7	17.8	18.0	18.3	18.3	17.7	18.7	18.1	16.1	17.0	18.2	16.5
Xpo6	10.1	10.5	9.8	9.5	10.3	10.2	10.7	9.8	10.0	8.0	8.9	7.8
Xpo7	3.4	3.2	3.0	3.5	2.9	3.6	2.9	3.0	2.9	3.1	3.1	3.2
Xpot	22.4	18.4	17.0	24.6	19.8	23.2	19.1	25.7	22.6	21.2	24.6	21.0
Xpr1	5.4	5.2	4.8	5.7	5.7	6.2	5.3	5.2	4.6	4.8	5.3	4.9
Xrcc1	7.6	8.3	10.2	7.0	8.8	7.8	8.8	7.8	7.7	7.9	8.2	7.2
Xrcc2	0.9	1.4	1.2	0.8	1.6	1.1	1.4	1.0	1.3	0.9	1.2	0.8
Xrcc3	1.2	1.5	1.0	1.3	1.0	1.0	1.2	1.6	1.3	1.3	1.1	0.8
Xrcc4	6.4	5.8	5.9	7.0	6.3	6.1	7.2	7.2	6.4	7.4	8.3	8.5
Xrcc5	13.4	10.8	9.3	11.9	8.6	12.6	7.6	9.0	8.5	10.6	10.1	10.0
Xrcc6	10.5	10.4	11.1	11.0	10.2	10.6	9.9	9.5	8.4	9.8	10.1	9.7
Xrcc6bp1	2.8	2.8	3.1	2.8	3.7	3.5	3.2	2.7	2.6	2.8	2.5	1.7
Xrn1	3.5	4.0	4.0	3.0	3.8	3.6	3.7	3.6	2.8	3.9	4.0	4.4
Xrn2	30.0	26.2	26.0	28.0	26.1	27.1	29.7	27.7	24.0	28.0	31.7	31.3
Xrra1	0.2	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.1
Xylb	0.3	0.2	0.2	0.7	0.2	0.4	0.1	0.1	0.1	0.3	0.1	0.1
Xylt1	0.4	0.4	0.3	0.8	1.3	0.4	0.7	1.0	0.6	0.8	0.5	0.4
Xylt2	6.1	4.7	5.6	10.8	16.9	5.1	7.6	6.3	6.0	5.5	4.6	5.4
Yae1d1	8.4	8.1	7.8	9.6	8.3	10.8	7.8	8.3	7.3	8.7	10.7	9.8
Yaf2	18.3	17.1	17.7	23.6	16.6	22.4	21.1	14.8	15.2	18.1	20.8	20.9
Yap1	35.9	36.2	28.7	41.6	30.4	42.1	30.7	22.8	27.9	33.0	31.6	31.5
Yars	25.0	20.3	15.5	22.9	19.2	23.2	21.4	24.2	21.7	18.6	22.6	18.0
Yars2	7.7	5.6	4.3	5.8	6.2	6.5	5.3	5.1	5.7	8.0	6.6	5.8
Ybey	1.0	1.0	1.0	1.3	0.9	1.3	0.8	1.3	1.1	1.0	1.1	0.9
Ybx1	178.5	148.7	164.3	210.6	158.8	188.4	190.4	194.0	130.5	145.0	209.2	180.2
Ydjc	3.3	3.0	1.6	3.7	2.9	4.2	3.3	2.1	3.1	2.7	2.7	2.4
Yeats2	6.9	8.2	9.0	5.1	7.6	6.2	7.5	8.3	8.0	7.6	7.3	7.1
Yeats4	14.9	13.2	14.1	16.5	15.8	13.6	16.9	16.4	16.1	14.7	16.6	15.7
Yes1	9.5	10.4	9.5	7.8	6.8	9.5	9.2	9.2	9.4	9.1	11.1	10.7
Yif1a	47.2	41.8	36.8	50.1	39.6	44.8	48.8	45.0	47.0	43.0	47.1	42.6
Yif1b	42.6	39.8	31.5	44.1	34.5	38.6	39.0	45.3	45.7	30.9	36.6	36.6
Yipf1	23.1	19.8	18.8	22.5	20.1	22.0	19.7	21.8	22.7	23.9	23.2	21.7
Yipf2	10.2	10.1	10.9	9.7	9.0	11.3	9.4	11.4	9.1	10.0	11.6	10.0
Yipf3	39.7	36.8	34.3	36.3	38.0	36.7	41.1	39.9	39.1	42.5	40.2	37.5
Yipf4	33.3	30.5	30.6	34.2	31.1	30.5	34.4	31.1	35.8	40.3	37.6	40.3
Yipf5	28.0	32.6	37.1	37.0	35.2	34.8	36.6	41.3	35.4	36.5	39.9	40.8
Yipf6	5.9	6.4	6.3	8.1	7.1	6.9	5.8	5.7	5.9	6.4	7.2	6.3
Ykt6	38.4	35.5	34.0	40.3	37.8	36.6	35.0	40.2	37.6	36.6	35.0	36.8
Ylpm1	1.8	2.3	2.4	2.4	2.1	2.2	2.7	2.1	1.7	2.0	2.3	2.4
Yme1l1	34.4	38.9	39.7	35.5	37.0	35.6	32.4	37.1	36.4	38.9	43.4	43.5
Yod1	1.8	1.7	2.3	1.7	1.7	1.8	1.6	1.9	1.7	1.5	2.0	2.3
Ypel1	1.5	0.8	1.2	1.2	0.9	1.5	0.9	1.3	1.1	0.8	1.1	0.9
Ypel2	4.3	4.4	5.4	3.2	3.8	4.6	3.3	6.0	5.2	6.3	5.2	5.8
Ypel3	35.2	36.6	39.5	32.8	30.1	40.5	31.0	43.1	38.5	37.3	34.1	38.8
Ypel4	0.7	1.3	1.1	0.6	0.5	1.2	0.2	1.4	0.9	0.6	0.8	1.4
Ypel5	35.8	28.8	25.6	38.6	31.3	37.0	28.6	27.2	34.9	34.2	32.9	36.6
Yrdc	9.6	8.1	6.0	9.3	7.8	6.8	8.3	7.8	10.2	9.0	8.7	8.4
Ythdc1	15.1	15.0	19.6	18.7	14.7	14.4	16.8	15.0	13.8	16.0	19.3	19.7
Ythdc2	2.5	2.8	2.6	2.1	2.3	2.7	2.5	2.7	2.4	2.6	3.0	2.8
Ythdf1	11.8	12.4	12.0	12.3	12.0	11.3	11.9	11.8	11.0	12.9	11.9	11.2
Ythdf2	13.0	12.5	12.4	13.1	13.3	12.1	12.5	13.5	13.8	13.8	14.6	13.8
Ythdf3	10.0	11.6	13.3	11.1	12.0	12.5	11.5	12.2	11.4	11.6	13.5	13.3
Ywhab	45.4	56.0	58.8	52.9	64.1	50.8	63.4	64.8	62.0	58.6	62.2	63.6
Ywhae	87.8	105.3	108.9	121.1	102.8	112.8	128.8	125.3	101.2	100.8	127.7	109.4
Ywhag	70.9	74.9	68.2	88.6	86.4	85.0	89.1	77.1	82.1	90.2	92.0	79.0
Ywhah	46.1	39.5	41.6	66.6	64.1	45.8	54.4	46.6	47.2	38.3	45.0	45.0

Online Table 1

Ywhaq	105.9	100.6	93.6	110.1	101.6	113.3	102.4	102.2	105.6	108.4	116.9	100.2
Ywhaz	99.9	94.8	99.5	114.0	110.4	104.3	124.8	116.9	106.4	106.9	129.6	112.6
Yy1	14.9	17.4	19.2	13.3	15.6	15.9	16.5	17.3	15.8	17.9	17.5	18.2
Yy2	0.2	0.3	0.6	0.4	0.4	0.3	0.5	0.4	0.5	0.3	0.2	0.5
Zadh2	3.9	4.6	4.6	4.8	4.9	5.3	4.4	5.3	4.5	5.0	4.5	4.8
Zan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zap70	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Zbed3	2.0	2.6	2.9	2.9	2.1	2.4	2.6	3.3	2.5	2.8	2.8	2.4
Zbed4	1.8	2.4	2.0	1.8	2.4	1.5	2.0	2.1	2.3	2.1	2.5	2.1
Zbed6	7.5	9.0	9.3	7.1	9.9	7.0	10.2	10.9	9.9	9.0	9.3	9.4
Zbp1	9.2	6.2	9.3	10.0	8.8	3.0	5.7	3.4	3.0	2.4	2.0	7.0
Zbtb1	8.4	9.3	9.9	9.3	8.3	7.4	10.1	10.9	10.5	10.4	11.0	11.6
Zbtb10	1.6	1.8	1.9	1.3	1.5	1.6	1.5	1.5	1.6	1.6	1.9	1.6
Zbtb11	5.6	5.5	5.2	5.5	5.2	5.9	4.7	5.0	4.7	5.7	6.0	6.0
Zbtb12	1.8	1.4	1.3	1.2	1.2	1.6	0.8	1.5	0.9	1.5	1.5	1.0
Zbtb14	5.6	5.4	6.6	6.8	5.8	5.8	5.9	5.9	5.6	4.7	6.5	5.8
Zbtb16	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Zbtb17	3.6	3.9	3.7	4.5	4.1	4.7	3.8	4.3	3.6	4.2	3.5	3.5
Zbtb18	5.8	5.8	4.8	8.2	5.8	7.8	5.6	4.3	5.3	4.4	6.9	4.8
Zbtb2	4.1	4.4	6.2	4.7	5.0	4.3	4.9	5.3	6.0	4.9	5.1	4.7
Zbtb20	8.8	10.1	9.6	8.1	5.7	8.0	6.5	7.4	5.5	4.9	6.0	5.1
Zbtb21	3.1	3.3	2.8	3.7	3.4	3.8	2.9	2.7	2.4	2.9	2.7	2.5
Zbtb22	5.5	5.6	6.1	6.5	5.7	5.5	7.0	6.7	8.0	5.6	6.4	6.7
Zbtb24	5.7	5.2	5.6	4.3	4.5	5.1	4.3	4.7	4.3	5.3	5.4	5.8
Zbtb25	2.7	2.6	3.0	2.9	2.5	3.4	2.7	3.1	2.5	2.6	2.8	2.4
Zbtb26	1.6	2.4	2.5	1.7	2.2	2.3	1.5	2.1	2.4	2.3	2.4	2.6
Zbtb3	0.7	1.1	1.1	0.8	1.0	0.9	1.3	1.4	0.8	1.2	1.3	1.1
Zbtb32	0.3	0.2	0.3	0.7	0.3	0.4	0.3	0.3	0.2	0.1	0.1	0.3
Zbtb33	1.5	1.9	2.4	1.4	1.6	1.3	1.6	1.5	1.5	2.0	1.8	2.6
Zbtb34	0.5	0.5	0.6	0.5	0.8	0.5	0.7	0.7	0.7	0.7	0.6	0.6
Zbtb37	1.8	1.8	2.0	1.6	1.8	2.0	1.5	2.1	1.9	1.8	2.0	1.8
Zbtb38	32.6	31.5	29.4	39.3	31.2	36.4	40.9	31.7	29.5	28.1	37.7	34.2
Zbtb39	0.8	0.7	1.1	0.8	1.0	0.9	1.2	0.8	1.0	1.1	0.9	1.0
Zbtb4	16.3	16.9	16.2	18.3	14.1	19.5	15.6	13.6	14.2	12.2	14.0	14.5
Zbtb40	1.9	2.3	1.6	2.1	2.3	2.0	2.0	1.8	1.9	2.0	2.0	1.9
Zbtb41	8.3	8.1	7.8	9.8	7.0	9.8	6.8	7.1	7.0	8.7	10.0	9.1
Zbtb42	0.9	1.0	0.9	1.3	1.3	1.2	1.0	0.9	1.1	1.2	1.3	0.7
Zbtb43	4.0	4.0	3.7	4.5	4.2	4.4	4.2	3.8	3.8	3.8	3.9	4.1
Zbtb44	3.6	3.9	4.0	3.4	3.5	3.6	3.5	3.0	3.4	3.5	3.6	3.6
Zbtb45	1.2	0.9	0.8	1.3	1.3	1.2	1.0	1.4	1.2	1.1	1.2	0.9
Zbtb46	1.9	2.3	2.1	1.5	1.8	2.2	2.0	1.9	2.1	2.8	1.8	1.8
Zbtb48	1.7	1.6	1.6	1.6	1.8	1.4	1.5	1.9	1.6	1.3	1.6	1.2
Zbtb49	1.2	1.3	1.3	1.2	1.6	1.4	1.5	1.6	1.4	1.4	1.2	1.2
Zbtb5	2.4	2.6	2.4	2.1	2.2	1.9	2.5	2.4	2.7	2.8	2.1	2.8
Zbtb6	3.2	4.0	4.8	3.6	4.2	4.3	3.9	4.2	4.1	4.2	4.8	5.3
Zbtb7a	6.9	8.5	8.0	7.5	9.0	7.8	10.3	8.2	8.5	6.9	7.6	7.8
Zbtb7b	12.7	12.3	10.8	15.2	14.0	13.2	12.2	13.1	12.3	11.3	11.6	11.3
Zbtb7c	5.0	5.7	6.1	6.2	5.9	6.0	6.7	6.0	5.4	6.0	4.9	5.4
Zbtb8a	1.2	2.2	3.3	0.5	1.4	0.9	2.2	2.8	3.0	1.7	2.3	2.2
Zbtb8b	0.5	0.9	0.8	0.3	0.8	0.4	0.7	0.3	0.7	0.7	0.6	1.0
Zbtb8os	27.1	31.2	32.5	28.0	24.5	33.8	27.9	28.5	26.2	30.3	34.8	31.6
Zbtb9	3.5	3.8	3.8	3.2	3.7	3.2	3.5	3.6	3.6	3.9	3.7	3.6
Zbtbd6	0.1	0.2	0.3	0.1	0.3	0.2	0.4	0.2	0.3	0.3	0.2	0.3
Zc2hc1a	17.3	18.3	18.3	20.0	13.2	18.6	18.2	13.5	19.4	16.3	18.9	23.9
Zc2hc1c	0.4	0.4	0.4	0.3	0.3	0.5	0.3	0.3	0.4	0.5	0.5	0.5
Zc3h10	4.1	3.6	3.4	3.5	4.3	4.5	3.6	2.9	4.0	4.6	4.0	3.4
Zc3h11a	21.4	24.6	23.9	18.5	22.5	20.3	23.7	25.1	23.9	23.4	23.4	24.3

Online Table 1

Zc3h12a	3.4	3.9	5.1	3.4	6.8	3.1	5.9	5.2	5.6	3.6	3.4	4.1
Zc3h12b	1.3	1.4	1.6	1.2	1.2	1.4	1.6	1.6	1.3	1.2	1.2	1.3
Zc3h12c	2.6	2.6	2.9	2.5	3.7	2.3	2.8	2.5	2.2	2.4	2.2	2.6
Zc3h12d	0.1	0.0	0.0	0.8	1.4	0.0	0.2	0.0	0.0	0.1	0.1	0.0
Zc3h13	12.1	10.9	13.5	14.9	10.5	12.2	13.0	10.7	8.8	10.2	13.8	14.2
Zc3h14	33.1	34.8	31.8	31.5	26.2	36.1	27.8	26.4	25.3	27.4	32.1	30.0
Zc3h15	56.8	56.9	54.6	60.7	48.7	56.3	53.6	51.4	49.8	55.4	60.6	66.3
Zc3h18	15.2	16.2	17.8	19.5	15.1	16.2	20.2	16.1	14.7	16.1	17.7	18.3
Zc3h3	1.5	1.9	1.5	1.8	1.6	1.7	1.7	1.5	1.3	1.5	1.3	1.3
Zc3h4	5.4	5.8	6.5	5.1	5.3	5.3	6.4	6.3	5.8	5.6	5.6	6.1
Zc3h6	2.0	2.1	2.7	1.7	1.3	2.2	1.6	2.2	1.8	1.6	2.2	2.1
Zc3h7a	16.2	18.3	16.3	15.9	18.1	12.8	17.4	14.7	18.7	15.8	19.2	18.6
Zc3h7b	14.3	15.0	13.3	16.1	13.1	16.7	14.8	13.1	12.6	13.2	12.5	12.0
Zc3h8	1.5	1.8	1.2	1.6	1.2	1.4	1.1	1.1	1.4	1.8	1.2	1.4
Zc3hav1	18.6	15.4	17.0	19.9	18.1	16.8	16.4	15.9	14.9	12.1	13.1	16.1
Zc3hav1l	0.7	1.1	1.1	0.8	0.7	1.0	0.9	1.0	1.0	0.8	0.8	0.7
Zc3hc1	6.8	6.5	7.1	6.0	6.3	7.1	5.4	6.6	6.8	6.4	6.5	5.2
Zc4h2	4.1	4.0	3.4	4.3	2.8	4.3	3.0	3.6	3.9	3.3	3.6	4.0
Zcchc10	2.1	3.3	3.5	2.1	2.6	2.8	3.2	2.6	2.1	2.9	2.2	2.6
Zcchc11	2.5	3.8	3.9	1.9	2.9	2.8	2.5	3.0	2.8	3.5	3.0	2.8
Zcchc14	3.9	5.6	5.3	3.8	4.8	3.9	5.8	5.6	6.1	5.7	4.8	4.9
Zcchc17	33.9	24.1	25.2	36.7	22.6	26.7	24.1	24.0	20.0	25.4	29.2	28.4
Zcchc18	0.2	0.1	0.3	0.0	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.2
Zcchc2	3.5	3.6	3.4	4.2	3.9	4.0	3.6	2.6	3.1	3.6	3.3	3.3
Zcchc24	17.7	18.8	19.4	16.5	15.7	19.6	16.7	17.7	17.0	19.5	18.2	18.1
Zcchc3	1.6	1.4	1.9	0.9	1.4	0.8	1.8	2.3	2.0	3.5	2.5	2.3
Zcchc4	2.9	2.9	2.6	2.9	2.7	3.1	2.2	2.4	2.4	3.0	2.6	2.9
Zcchc5	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.2	0.1	0.0	0.0
Zcchc6	20.5	19.7	21.1	23.4	19.2	21.0	19.4	16.7	15.9	17.4	19.3	20.7
Zcchc7	9.3	8.7	9.8	9.3	7.1	7.3	7.4	9.0	6.8	8.4	9.2	10.8
Zcchc8	3.3	3.9	4.7	3.4	3.8	3.2	3.7	4.3	4.2	3.8	4.0	4.1
Zcchc9	15.8	14.0	12.8	14.6	12.5	13.9	12.8	13.1	12.8	13.0	15.6	13.7
Zcrb1	40.1	32.3	40.8	54.6	38.9	45.0	45.0	38.1	32.0	36.3	46.3	45.7
Zcwpw1	0.7	0.6	1.1	0.7	0.5	1.0	0.5	0.3	0.6	0.4	0.5	0.6
Zdbf2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Zdhhc1	5.2	5.7	5.3	6.7	5.4	6.8	6.1	6.2	4.7	5.1	4.5	6.0
Zdhhc12	3.8	4.2	4.8	2.9	4.1	3.4	3.9	4.5	5.4	7.2	5.1	5.1
Zdhhc13	8.1	7.0	7.7	7.1	8.5	6.2	8.8	8.3	8.8	8.3	9.8	8.0
Zdhhc14	1.5	1.4	1.0	2.0	1.7	1.8	1.8	1.0	1.4	1.1	1.1	1.4
Zdhhc15	0.7	1.0	1.3	0.4	0.8	0.6	0.6	0.8	0.6	0.5	0.4	0.6
Zdhhc16	6.4	7.3	5.3	7.4	7.2	5.1	8.9	10.4	9.8	6.6	7.9	6.9
Zdhhc17	6.0	6.5	6.4	5.3	5.4	5.8	5.3	6.2	6.8	6.6	6.1	7.0
Zdhhc18	7.4	8.7	6.6	9.0	10.3	8.4	8.5	6.1	7.9	7.0	7.0	6.4
Zdhhc2	33.4	23.3	27.2	36.1	48.5	37.9	38.3	31.7	37.6	35.0	52.0	36.7
Zdhhc20	12.3	14.2	15.8	14.3	14.7	13.4	14.3	14.1	14.4	15.8	16.3	17.5
Zdhhc21	3.3	3.8	3.9	3.6	3.9	4.1	3.5	3.3	3.5	3.2	4.2	3.8
Zdhhc24	4.3	3.9	3.6	4.7	3.9	4.2	4.0	3.5	4.3	4.5	4.1	4.2
Zdhhc3	7.7	6.0	5.5	7.1	6.7	6.5	6.7	6.8	6.3	6.6	6.8	6.4
Zdhhc4	10.0	8.4	7.8	11.6	8.3	10.7	10.4	10.4	8.2	8.3	9.3	8.1
Zdhhc5	22.2	21.6	21.9	24.1	23.9	23.0	26.4	22.9	23.3	23.7	25.8	23.9
Zdhhc6	21.8	22.5	23.9	23.4	22.6	24.6	22.3	23.6	19.5	21.5	24.2	22.4
Zdhhc7	8.8	9.5	9.0	9.5	9.4	8.8	10.7	10.4	11.0	8.4	9.4	8.3
Zdhhc8	5.0	6.3	5.7	6.0	5.3	6.3	7.8	5.9	7.0	4.4	5.3	4.4
Zdhhc9	5.4	4.8	4.0	5.2	4.9	4.4	5.6	4.7	4.9	4.2	5.4	3.3
Zeb1	17.9	17.3	19.0	24.0	15.7	22.6	18.2	17.1	15.2	13.9	17.7	18.2
Zeb2	26.3	25.7	28.1	44.3	31.7	31.6	31.2	26.3	23.3	21.7	28.4	30.7
Zer1	4.9	5.7	5.3	4.7	4.8	5.6	5.0	5.4	5.5	5.6	4.8	4.7

Online Table 1

Zfand1	8.4	8.5	7.9	6.5	5.9	8.1	6.5	6.8	5.9	7.8	7.5	9.0
Zfand2a	17.4	13.0	9.3	24.4	18.1	17.2	16.2	8.6	13.2	14.4	14.5	13.2
Zfand2b	7.4	8.7	6.5	7.5	7.0	8.1	8.8	9.4	10.0	7.5	9.0	7.6
Zfand3	40.0	37.1	31.7	42.7	31.8	48.1	36.3	30.9	33.4	32.2	36.5	33.1
Zfand4	0.3	0.4	0.6	0.2	0.5	0.2	0.5	0.3	0.4	0.3	0.4	0.2
Zfand5	5.6	5.2	4.9	6.9	6.3	5.8	5.2	5.7	6.3	7.3	6.4	6.6
Zfand6	18.2	20.6	17.9	19.1	20.3	21.5	15.0	18.1	16.1	20.3	19.6	20.1
Zfa-ps	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3
Zfat	1.5	1.5	1.3	1.3	1.4	1.2	1.6	1.4	1.6	1.6	2.0	1.6
Zfc3h1	10.8	11.7	11.0	9.6	9.8	10.5	9.4	10.2	10.2	9.8	10.9	10.9
Zfhx2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfhx2as	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Zfhx3	1.4	2.2	2.0	2.0	2.2	2.0	2.8	2.1	2.3	2.0	2.3	1.7
Zfhx4	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.5	0.5	0.4
Zfml	15.5	15.8	14.4	14.4	14.7	13.8	12.6	13.4	14.1	17.4	17.9	15.8
Zfp1	2.3	2.3	2.5	1.9	2.0	2.0	2.3	3.3	2.3	2.9	2.6	3.7
Zfp101	2.0	1.9	2.4	1.7	2.1	1.5	2.1	2.0	2.4	2.4	2.2	2.7
Zfp105	4.1	3.3	3.9	3.5	3.0	3.0	3.2	3.8	3.5	3.6	4.0	4.5
Zfp106	31.2	24.7	22.3	36.8	23.7	35.4	23.0	20.4	17.3	19.5	23.6	23.0
Zfp108	1.6	1.6	2.2	1.3	1.3	2.4	1.6	1.8	1.3	1.9	1.8	1.7
Zfp109	1.4	1.5	2.0	1.8	1.4	1.9	1.2	1.4	1.2	1.5	1.9	1.7
Zfp11	1.0	1.2	1.6	1.1	1.1	1.4	1.1	1.3	1.3	1.3	1.4	1.3
Zfp110	10.9	9.8	9.4	9.9	8.0	10.2	7.4	10.0	9.9	10.6	10.7	11.4
Zfp111	1.4	1.4	1.8	1.4	1.4	1.9	1.7	1.8	1.5	1.5	1.7	1.7
Zfp112	1.0	1.0	1.4	0.8	0.9	1.5	1.2	1.3	1.1	1.2	1.3	1.3
Zfp113	1.1	1.3	1.3	1.0	0.9	1.3	0.9	1.2	1.1	1.5	1.4	1.2
Zfp114	0.2	0.2	0.4	0.3	0.1	0.4	0.2	0.2	0.2	0.2	0.3	0.2
Zfp119a	1.9	2.7	2.5	1.6	2.3	2.6	1.5	2.0	2.2	2.5	2.4	2.0
Zfp119b	1.3	1.3	1.6	1.1	1.7	1.2	1.4	1.4	1.8	1.9	1.7	1.6
Zfp12	3.4	3.5	3.4	3.2	3.1	3.5	3.1	3.9	3.7	4.2	3.8	4.3
Zfp120	3.2	3.7	4.9	3.4	4.0	3.1	3.1	3.8	4.3	3.8	3.9	4.9
Zfp128	1.3	0.9	1.4	1.1	0.8	1.0	1.0	0.9	1.0	1.0	0.8	1.0
Zfp13	1.8	2.1	2.2	2.4	1.8	2.3	2.1	2.4	1.7	1.6	2.2	1.6
Zfp131	17.6	16.8	16.4	20.3	14.6	17.3	15.3	15.7	15.1	14.4	18.5	16.8
Zfp133-ps	0.8	0.7	0.9	1.3	0.4	0.6	0.8	0.6	0.5	1.2	0.7	0.5
Zfp14	2.2	2.0	2.1	2.0	1.7	2.6	1.7	2.0	1.5	2.1	1.7	1.9
Zfp142	1.1	1.3	1.2	1.4	1.4	1.4	1.6	1.4	1.1	1.1	1.3	1.1
Zfp143	5.3	5.3	4.6	5.9	5.1	5.1	5.3	5.0	5.1	5.4	6.0	5.5
Zfp146	19.7	15.3	15.8	21.3	18.3	18.7	19.1	19.8	15.9	18.8	19.7	23.0
Zfp148	6.0	6.7	7.7	6.0	5.8	6.8	5.9	8.1	7.1	7.1	8.0	7.8
Zfp157	2.0	1.7	2.0	2.0	1.8	1.6	1.5	1.9	1.9	2.1	2.2	2.1
Zfp160	2.4	2.5	2.6	3.0	2.6	2.6	2.6	3.1	2.9	2.9	3.3	3.4
Zfp169	1.3	1.3	1.6	1.3	1.5	1.5	1.2	1.5	1.2	1.2	1.2	1.4
Zfp174	0.9	1.1	1.2	0.9	0.9	1.0	1.1	0.9	1.0	0.9	0.8	1.0
Zfp180	8.0	7.9	6.2	7.8	6.9	7.1	6.6	6.5	6.6	6.6	8.4	6.5
Zfp182	1.9	2.2	2.2	2.4	1.8	2.0	1.7	1.9	1.8	2.0	2.6	2.8
Zfp184	0.7	0.6	0.8	0.5	0.3	0.4	0.4	0.6	0.4	0.8	0.5	0.3
Zfp185	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.2	0.1	1.2	0.6	0.3
Zfp189	2.7	2.8	3.4	2.1	2.0	2.2	2.2	3.1	2.4	2.5	2.6	2.6
Zfp191	8.0	8.5	10.4	8.6	9.4	7.7	8.1	9.2	9.2	11.8	11.0	11.7
Zfp2	1.5	1.3	1.5	1.6	1.3	1.7	0.9	1.3	1.3	1.8	2.1	1.5
Zfp202	1.4	1.0	0.9	1.3	0.9	1.1	0.8	0.9	0.8	1.2	1.2	0.9
Zfp207	41.5	41.9	50.9	48.3	45.1	38.4	50.9	48.3	42.8	41.9	50.9	47.1
Zfp212	2.2	2.5	2.8	2.7	2.5	2.5	2.4	2.7	3.0	2.9	2.8	2.8
Zfp213	2.7	2.4	2.2	2.9	2.7	2.8	2.0	2.8	2.4	3.0	2.6	2.5
Zfp217	3.0	3.2	4.4	3.0	3.9	2.8	3.5	3.0	3.1	3.1	3.0	3.1
Zfp219	10.2	10.8	8.6	10.8	10.2	12.1	10.3	8.5	8.7	10.5	8.0	7.7

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Zfp229	2.4	2.6	2.9	2.4	2.3	2.4	1.9	2.6	2.4	2.4	2.9	2.8
Zfp235	1.7	2.1	2.4	2.0	1.6	1.5	1.3	2.1	1.8	1.7	2.0	1.8
Zfp236	2.8	3.3	3.6	2.9	3.0	3.1	3.2	3.7	3.3	3.1	3.4	3.0
Zfp239	0.8	0.8	0.7	0.3	0.5	1.1	0.5	0.8	0.4	0.6	0.9	0.6
Zfp248	1.2	1.3	1.3	0.9	1.0	1.1	0.9	1.1	1.1	1.2	1.6	1.2
Zfp251	8.5	7.8	8.7	8.6	7.7	10.3	7.8	8.2	8.5	8.3	8.0	9.0
Zfp259	11.0	8.1	7.3	10.8	9.5	9.9	8.8	8.0	8.5	8.7	8.7	8.2
Zfp26	2.1	2.3	2.7	2.2	2.4	2.4	2.2	2.8	2.5	2.4	3.0	2.6
Zfp260	15.7	17.1	18.6	17.2	16.3	17.4	15.1	19.2	19.2	19.2	20.2	22.1
Zfp263	5.1	5.0	4.9	5.4	7.4	5.2	5.0	4.7	4.8	6.4	5.6	5.5
Zfp266	13.6	13.2	13.8	11.8	11.7	14.5	11.2	14.5	11.8	13.5	15.4	13.9
Zfp27	3.2	3.3	3.4	3.8	2.9	3.4	3.6	3.6	2.8	3.1	3.6	3.1
Zfp273	1.8	1.2	1.6	1.0	1.4	1.2	1.1	1.4	1.5	1.3	1.4	1.7
Zfp275	10.1	9.2	10.3	9.8	11.0	9.7	10.1	10.0	9.6	10.4	10.8	10.8
Zfp276	2.9	2.7	2.7	2.6	3.2	2.9	3.1	3.0	3.8	3.1	2.9	2.6
Zfp277	10.2	10.9	10.6	8.4	9.9	10.2	9.6	9.9	8.9	10.6	10.1	9.9
Zfp28	1.5	1.5	1.9	1.7	1.6	1.9	1.4	1.5	1.3	1.7	1.3	1.5
Zfp280b	3.6	4.5	3.9	3.1	3.2	3.6	4.0	3.9	4.4	4.0	4.7	3.3
Zfp280c	2.8	3.1	3.1	2.6	2.5	3.0	3.0	3.0	2.4	2.9	3.2	2.4
Zfp280d	3.9	4.8	5.0	4.2	4.1	4.2	4.2	5.3	4.6	5.1	5.3	5.0
Zfp281	6.5	7.9	11.2	5.8	8.7	4.8	8.7	10.6	9.9	11.7	9.4	10.7
Zfp282	2.5	2.2	2.9	2.8	2.4	2.2	2.4	3.1	3.1	2.5	2.5	2.4
Zfp286	1.6	1.6	1.8	1.4	1.0	1.5	1.4	1.7	1.2	1.2	1.8	1.5
Zfp287	1.8	1.8	2.2	1.8	1.7	2.6	1.9	1.9	1.8	1.6	2.0	2.0
Zfp292	2.9	3.8	3.6	2.8	3.0	4.0	2.9	3.6	3.1	3.8	4.0	4.1
Zfp296	1.1	1.2	0.8	1.1	1.2	1.5	0.9	0.5	0.4	0.4	0.8	0.7
Zfp3	1.9	1.7	2.0	2.1	1.5	2.2	1.3	1.2	1.1	1.6	1.5	1.4
Zfp30	1.8	1.8	2.0	1.8	1.1	2.1	1.2	1.3	1.5	1.6	1.4	1.2
Zfp300	0.2	0.2	0.4	0.4	0.2	0.4	0.3	0.4	0.3	0.3	0.3	0.4
Zfp316	2.5	2.1	2.0	1.8	1.7	1.8	1.8	1.9	1.7	1.8	2.2	2.0
Zfp317	8.6	8.3	8.3	8.2	7.5	9.9	6.8	8.0	7.8	8.6	9.2	8.9
Zfp318	3.5	3.9	4.5	3.7	3.2	3.2	3.7	3.7	3.5	3.6	3.9	3.9
Zfp319	2.0	1.9	2.0	2.6	2.3	2.2	2.4	2.4	2.2	2.1	1.6	1.5
Zfp322a	6.1	6.4	7.0	5.7	5.9	6.5	5.3	6.3	5.8	6.6	7.2	7.2
Zfp324	2.8	3.3	3.3	2.5	2.9	3.3	3.4	3.4	3.6	3.1	3.6	3.2
Zfp326	3.5	4.0	4.7	4.5	3.9	3.5	5.3	4.3	3.5	4.7	4.6	4.4
Zfp329	2.4	2.6	2.5	2.4	2.2	2.4	2.0	2.4	2.2	2.2	2.3	2.5
Zfp330	25.9	21.5	20.6	21.1	21.7	22.0	20.2	16.9	19.0	23.4	21.4	23.5
Zfp334	4.8	5.1	5.7	4.3	4.0	5.0	4.6	5.1	4.2	5.5	5.7	5.3
Zfp335	3.0	3.5	3.0	3.5	3.3	2.9	4.3	3.0	4.2	3.3	3.5	3.1
Zfp341	0.3	0.3	0.5	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.3
Zfp345	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Zfp346	5.4	5.2	5.3	5.9	4.6	5.0	4.0	4.6	4.3	4.7	4.0	4.8
Zfp35	5.4	5.5	5.4	5.1	5.1	5.2	5.0	5.2	5.1	5.1	5.6	5.2
Zfp354a	1.3	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.3	1.4	1.6	1.2
Zfp354b	0.9	1.3	1.4	1.4	1.1	1.3	1.1	1.0	0.9	1.2	1.2	1.3
Zfp354c	1.8	1.5	2.6	1.8	1.3	2.4	1.7	2.4	1.9	2.3	2.2	2.4
Zfp358	6.0	5.4	6.4	6.6	4.8	8.7	6.0	6.9	5.4	7.0	7.0	5.4
Zfp36	6.6	10.7	10.3	6.6	8.9	6.8	9.2	10.0	12.3	20.6	10.6	9.9
Zfp362	0.9	1.2	1.3	1.1	1.4	1.3	1.2	1.0	1.1	1.1	1.3	0.9
Zfp365	12.2	11.6	10.1	12.5	9.7	14.2	7.8	7.3	6.9	8.8	9.8	8.3
Zfp367	5.0	6.4	8.6	6.9	7.6	7.7	7.9	4.9	6.7	4.3	7.1	6.3
Zfp369	3.0	3.5	3.4	2.6	2.9	3.2	2.4	3.5	2.9	2.9	2.6	2.5
Zfp3611	5.4	10.5	17.2	4.8	11.3	6.8	10.3	15.0	11.3	12.7	7.5	9.7
Zfp3612	18.6	24.5	32.0	18.7	23.0	19.1	17.6	22.2	16.6	18.1	16.0	14.7
Zfp37	5.4	3.7	4.0	5.3	3.0	3.5	3.5	3.4	3.3	5.2	5.8	5.6
Zfp382	2.1	2.6	2.7	1.9	2.1	2.4	2.9	2.4	2.6	2.1	2.6	2.1

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Zfp383	1.3	1.2	1.3	0.8	1.0	1.4	0.8	1.7	1.2	1.3	1.3	1.3
Zfp384	4.6	5.6	6.1	5.7	5.2	4.4	5.3	5.6	4.9	4.3	4.9	4.5
Zfp385a	1.5	2.6	2.5	1.5	2.3	1.9	2.4	2.5	2.1	2.5	2.3	1.4
Zfp385b	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Zfp385c	3.4	3.8	3.2	3.7	3.6	4.0	3.6	3.8	3.9	3.3	4.0	3.3
Zfp386	9.1	8.9	9.5	9.5	8.5	10.3	9.4	10.8	8.7	9.6	12.8	12.0
Zfp389	0.5	0.3	0.3	0.1	0.3	0.3	0.3	0.2	0.1	0.2	0.6	0.3
Zfp39	2.0	1.6	2.5	1.5	1.7	1.5	2.0	2.1	1.9	1.9	2.2	2.2
Zfp395	0.0	0.1	0.4	0.0	0.1	0.1	0.1	0.2	0.2	0.5	0.2	0.2
Zfp397	5.8	6.8	6.6	5.8	5.8	6.4	4.5	5.6	6.2	5.7	6.7	6.2
Zfp398	1.4	1.3	1.3	1.1	1.1	1.9	1.0	1.6	1.1	1.4	1.8	1.3
Zfp40	2.0	2.4	2.3	2.5	2.5	2.3	2.0	2.2	2.1	2.3	2.9	2.7
Zfp407	3.3	3.3	3.0	3.4	3.6	3.1	4.0	3.9	3.6	3.8	3.7	3.7
Zfp408	2.5	2.4	2.2	2.7	2.3	2.6	2.7	2.6	2.6	2.4	2.7	2.5
Zfp41	1.2	1.7	1.7	1.0	1.1	1.4	1.3	1.5	1.3	1.0	1.2	0.9
Zfp410	11.9	12.7	11.0	9.8	11.0	11.6	9.9	10.5	11.4	11.7	11.3	12.1
Zfp414	5.5	7.3	6.8	8.3	6.2	7.5	9.1	9.4	8.5	5.7	8.4	7.3
Zfp418	0.6	0.9	0.9	0.8	0.7	0.8	0.9	0.8	0.8	0.8	0.9	0.6
Zfp420	1.6	1.5	1.4	1.6	0.9	1.5	0.8	1.0	1.0	1.2	1.5	1.3
Zfp422	4.1	4.3	5.0	4.2	4.1	4.2	4.3	5.2	4.2	4.6	5.2	5.1
Zfp423	0.4	0.5	1.0	0.4	0.5	0.4	0.4	1.0	0.6	0.6	0.6	0.6
Zfp426	9.0	8.1	6.7	8.1	7.6	8.2	6.3	6.8	6.7	8.2	7.5	7.6
Zfp428	1.5	1.6	1.3	1.1	1.4	1.1	1.2	1.3	1.2	2.2	0.8	1.6
Zfp429	1.9	2.0	1.9	1.3	2.6	2.1	1.6	1.7	1.9	2.1	2.2	1.9
Zfp433	1.8	1.8	1.6	1.7	1.9	2.0	1.3	2.1	2.3	2.3	2.1	2.1
Zfp438	1.5	1.5	1.4	2.0	1.5	1.7	1.2	1.3	1.2	1.3	1.4	1.4
Zfp442	2.8	3.5	4.0	2.8	3.1	3.4	2.5	3.2	2.6	3.9	3.2	4.1
Zfp444	1.5	1.4	1.2	1.6	1.4	1.7	1.4	1.5	1.5	1.8	1.4	1.3
Zfp445	9.5	10.4	9.4	8.5	9.7	9.2	7.9	8.6	10.3	9.7	9.6	11.0
Zfp446	0.8	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.6	0.5
Zfp449	4.5	5.2	5.2	4.7	4.7	5.0	5.3	5.0	5.3	5.5	6.7	6.1
Zfp451	5.3	7.4	8.6	5.0	7.1	5.9	6.7	7.4	6.8	6.3	7.2	8.1
Zfp454	0.7	0.8	0.9	1.0	0.4	0.9	0.7	0.6	0.4	0.4	0.7	0.9
Zfp455	0.8	0.8	0.9	0.7	0.9	0.7	0.5	0.7	0.7	0.6	0.6	1.1
Zfp456	0.8	0.9	0.9	0.9	1.2	0.7	0.6	0.6	0.8	1.1	0.7	0.8
Zfp457	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Zfp458	0.9	1.1	1.1	0.9	1.0	1.1	1.1	1.1	0.7	0.9	1.1	0.9
Zfp459	0.2	0.1	0.1	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1
Zfp46	7.5	8.1	9.8	7.9	7.7	7.6	8.1	9.8	8.4	7.4	8.1	8.1
Zfp462	1.9	1.7	1.7	2.0	1.4	1.9	2.0	2.0	1.7	2.2	2.9	1.6
Zfp467	0.7	1.5	2.3	0.8	1.7	1.1	0.9	1.4	1.8	1.5	0.9	1.3
Zfp472	1.2	1.1	1.4	1.7	2.1	1.1	1.3	1.7	1.3	1.5	1.4	1.6
Zfp473	0.1	0.2	0.3	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Zfp474	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.0	0.2	0.3	0.2	0.2
Zfp488	7.1	10.0	7.9	5.8	8.6	6.7	8.3	6.2	5.8	7.1	6.5	5.5
Zfp493	0.6	0.4	0.5	0.6	0.4	0.7	0.4	0.4	0.5	0.6	0.5	0.7
Zfp503	1.1	1.3	2.1	1.0	1.3	1.3	1.4	1.7	2.0	4.3	3.1	2.5
Zfp507	6.0	6.1	6.9	6.0	5.2	6.3	5.6	6.5	6.1	6.1	6.6	6.2
Zfp51	4.1	3.6	3.9	4.0	3.4	5.0	3.1	3.6	3.5	4.4	4.4	4.2
Zfp511	7.0	7.0	6.7	7.9	7.3	7.5	7.7	6.6	7.5	7.4	9.1	8.2
Zfp512	7.2	7.6	7.7	7.4	7.0	8.5	5.3	7.2	6.1	6.5	6.2	6.6
Zfp513	3.6	3.1	4.5	3.6	3.6	3.5	3.7	3.9	3.8	3.3	3.6	3.5
Zfp516	4.8	5.5	4.9	3.9	4.6	4.8	4.1	5.2	5.0	6.3	5.3	5.0
Zfp518a	2.6	2.8	3.2	2.9	2.9	3.2	2.4	3.0	2.5	2.9	3.4	3.1
Zfp518b	4.7	4.2	4.7	4.0	3.8	4.6	4.1	4.4	4.1	3.6	4.3	3.9
Zfp52	4.1	4.5	4.9	3.7	4.5	4.7	5.1	4.2	4.7	7.3	5.7	6.3
Zfp521	10.7	14.2	18.0	11.1	10.1	11.6	14.4	21.9	15.4	8.1	12.5	11.1

Online Table 1

Zfp523	5.2	5.7	5.5	4.8	4.9	5.7	5.9	5.5	5.6	4.8	4.9	5.1
Zfp524	3.9	4.3	4.0	3.6	2.9	3.1	4.4	5.9	3.6	4.6	5.5	4.8
Zfp526	2.8	3.6	3.8	3.6	3.0	3.3	4.3	4.1	3.6	2.9	4.0	3.5
Zfp53	2.7	2.7	2.6	2.1	2.7	2.5	2.5	2.3	3.1	3.3	3.2	3.9
Zfp532	4.3	5.2	6.5	3.0	3.5	3.8	4.8	5.9	5.4	6.6	5.9	5.6
Zfp534	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Zfp536	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp54	1.9	3.0	3.0	1.5	2.4	2.3	1.9	1.9	2.1	2.3	1.9	2.4
Zfp541	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp551	1.5	1.6	1.2	1.6	1.1	1.9	1.3	1.4	1.6	1.9	1.6	1.8
Zfp553	3.7	3.8	4.0	3.5	3.2	3.8	3.2	3.7	3.2	4.4	4.1	3.6
Zfp558	0.9	0.8	1.0	0.7	0.8	0.9	0.6	0.7	0.6	0.8	0.9	0.8
Zfp560	1.4	1.4	1.2	1.4	1.3	1.6	1.3	1.4	1.4	1.3	1.7	1.2
Zfp563	0.8	0.8	0.9	0.9	0.9	1.0	0.7	0.9	1.0	1.0	1.0	1.1
Zfp566	0.9	0.7	0.8	1.4	0.9	1.1	0.5	0.7	0.8	0.9	1.4	1.0
Zfp568	2.8	2.5	2.1	2.7	2.6	2.1	2.8	2.2	3.1	2.8	2.9	2.3
Zfp57	4.5	3.1	2.6	2.3	2.2	2.4	1.9	3.2	3.0	4.8	3.0	2.5
Zfp574	2.1	2.7	2.3	1.8	2.6	2.3	3.0	3.0	3.0	2.8	2.7	2.1
Zfp575	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.6	0.4	0.2	0.4	0.2
Zfp579	4.9	7.1	5.0	2.8	3.1	3.2	4.5	5.2	4.2	7.8	6.9	4.0
Zfp58	2.3	2.1	2.3	2.3	2.2	2.0	1.7	2.1	2.2	2.4	1.8	2.0
Zfp580	0.8	0.5	1.2	1.1	0.8	0.9	0.6	1.1	1.1	1.0	1.3	0.5
Zfp583	1.6	1.6	2.4	2.0	1.3	2.1	1.7	1.7	1.5	1.6	2.0	1.5
Zfp59	2.3	2.2	2.3	1.8	1.9	1.9	1.5	1.7	1.6	2.3	2.0	2.1
Zfp592	3.2	3.7	4.1	2.9	3.6	3.2	3.9	4.2	3.5	2.9	3.1	2.9
Zfp593	3.4	3.1	2.3	2.7	3.6	4.0	3.7	3.2	3.7	3.6	4.2	3.0
Zfp595	1.3	1.7	1.7	1.4	1.6	1.1	1.2	1.2	1.3	1.6	1.6	1.7
Zfp597	2.8	3.2	3.3	2.4	3.0	2.4	2.7	2.6	3.1	3.5	3.1	3.3
Zfp598	6.4	7.0	6.4	6.3	6.6	7.3	7.8	7.6	8.1	6.7	6.9	6.4
Zfp599	0.9	0.6	0.7	0.5	0.5	0.6	0.8	0.4	0.7	0.7	1.2	0.8
Zfp60	4.0	4.5	4.6	4.2	3.7	4.3	3.7	5.1	4.6	5.1	5.2	5.2
Zfp600	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Zfp605	2.7	2.3	2.7	1.9	1.6	2.6	1.7	2.3	1.9	2.2	2.9	2.8
Zfp606	2.0	2.0	2.4	1.3	2.1	2.4	1.9	2.1	2.4	2.5	2.4	2.4
Zfp607	1.6	1.8	1.7	1.2	2.0	1.4	1.4	1.8	1.7	1.7	1.6	1.7
Zfp608	1.1	1.5	2.7	1.1	1.6	0.9	1.6	2.4	2.3	2.0	2.0	2.3
Zfp609	1.3	1.8	1.6	1.2	1.4	1.3	1.5	1.4	1.4	1.2	1.4	1.3
Zfp61	2.5	2.7	3.5	2.5	2.6	2.8	2.3	2.9	2.8	3.2	2.9	2.8
Zfp612	0.6	0.7	0.6	0.5	0.3	1.0	0.4	0.3	0.3	1.0	0.8	0.5
Zfp617	7.4	6.3	7.1	5.8	6.2	6.4	5.7	6.9	6.0	6.9	7.7	7.4
Zfp618	0.6	0.6	0.6	0.9	1.4	0.7	0.8	0.5	0.7	0.5	0.6	0.8
Zfp619	0.5	0.4	0.4	0.5	0.5	0.3	0.6	0.6	0.5	0.4	0.3	0.5
Zfp62	8.6	10.0	11.7	9.0	8.2	9.4	8.0	10.3	9.3	10.6	11.3	11.1
Zfp622	10.3	9.0	8.6	9.9	8.5	9.0	9.3	10.1	9.2	12.5	10.1	11.5
Zfp623	8.1	8.9	8.8	8.4	7.3	9.0	8.0	8.5	7.9	8.9	8.1	8.9
Zfp628	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3
Zfp629	2.9	3.5	3.7	2.8	2.8	3.4	3.3	3.5	3.3	3.2	2.9	3.3
Zfp637	21.5	18.0	17.1	16.6	15.4	16.9	16.8	21.1	19.8	21.2	21.5	18.9
Zfp639	10.4	11.2	9.7	12.8	10.8	11.2	8.6	10.5	11.0	9.7	12.1	11.8
Zfp64	6.3	6.3	5.5	7.3	6.0	6.0	6.9	6.6	5.8	5.8	6.6	5.7
Zfp641	0.8	0.8	0.8	1.0	0.6	0.9	0.7	0.7	0.7	0.5	0.6	0.7
Zfp644	11.5	11.2	11.1	11.8	10.3	11.4	11.4	12.0	12.7	12.4	15.2	13.9
Zfp646	5.4	5.9	6.4	5.9	5.3	6.0	6.2	6.5	5.2	4.9	5.2	6.1
Zfp647	1.2	1.2	1.3	1.2	1.0	1.2	1.1	1.5	1.2	1.4	1.7	1.0
Zfp651	6.7	4.9	4.8	5.6	4.1	6.2	5.0	5.0	4.9	6.3	5.4	5.1
Zfp652	16.0	14.8	14.1	21.6	14.4	19.4	14.5	12.5	10.6	11.4	14.0	13.4
Zfp653	1.2	1.2	1.0	1.5	1.3	1.5	1.5	1.7	1.4	1.1	1.4	1.2

Online Table 1

Zfp654	0.9	1.4	1.8	1.2	1.5	1.1	1.1	1.3	1.5	1.9	1.7	2.0
Zfp655	13.5	12.7	10.7	12.1	11.6	13.2	11.4	10.6	11.3	13.8	12.5	13.8
Zfp658	1.0	0.9	1.1	0.8	0.8	0.7	0.9	1.2	0.9	1.1	1.0	1.1
Zfp661	1.2	1.3	1.4	1.3	1.3	1.4	1.4	1.3	1.0	0.9	1.5	1.1
Zfp664	16.0	15.9	14.7	17.9	14.8	18.7	13.7	13.8	13.0	14.9	15.8	13.5
Zfp667	1.0	1.2	1.0	0.8	0.9	1.4	0.9	1.3	1.1	1.2	0.9	1.0
Zfp668	1.6	1.7	1.8	1.7	1.7	1.9	2.2	2.0	2.1	1.8	1.9	1.8
Zfp672	7.6	8.3	9.1	6.7	6.8	7.7	6.0	7.2	9.4	8.1	7.0	6.1
Zfp677	2.5	2.9	3.0	2.8	2.7	3.3	1.9	2.6	2.2	3.4	3.5	3.7
Zfp68	9.8	10.4	11.6	9.3	8.7	10.1	8.5	11.0	10.8	10.0	10.7	12.0
Zfp687	2.7	3.1	2.7	2.4	2.6	2.7	2.9	3.1	2.5	2.5	2.6	2.1
Zfp688	6.6	6.5	6.8	6.3	5.6	7.1	4.7	5.3	6.4	6.1	6.8	6.0
Zfp689	1.1	1.0	1.1	1.0	1.1	1.1	1.5	1.3	1.4	1.0	1.1	0.7
Zfp69	0.3	0.2	0.4	0.2	0.3	0.4	0.3	0.4	0.2	0.2	0.2	0.3
Zfp691	1.6	1.5	1.4	2.1	0.9	1.6	2.0	1.5	1.6	1.8	1.9	1.4
Zfp692	2.8	3.2	3.2	3.1	2.5	3.1	2.9	2.4	3.1	2.2	2.4	2.2
Zfp697	3.6	4.1	4.0	3.8	3.8	2.7	4.2	3.3	3.5	6.0	5.3	5.6
Zfp7	1.7	1.1	1.7	2.2	1.9	1.7	2.3	1.6	1.8	2.3	2.4	1.8
Zfp703	0.3	0.3	0.2	0.5	0.6	0.5	0.4	0.5	0.4	0.5	0.3	0.1
Zfp704	2.8	3.1	3.1	2.6	2.7	2.5	2.5	2.2	2.1	2.5	2.4	2.4
Zfp706	8.3	8.9	8.1	8.0	8.6	8.1	8.1	9.5	9.2	11.4	10.1	9.8
Zfp707	1.2	1.4	1.2	1.1	1.2	1.3	0.8	1.3	1.3	1.4	1.3	1.1
Zfp708	0.9	1.0	1.2	0.8	1.3	1.5	1.1	1.1	1.2	1.4	1.5	1.5
Zfp709	2.0	2.4	2.3	2.4	2.2	2.3	1.6	2.2	2.2	2.6	2.2	2.8
Zfp710	2.9	2.6	2.9	4.7	5.6	2.6	3.4	2.6	3.0	2.6	2.8	2.6
Zfp712	0.7	0.5	0.7	0.6	0.8	0.8	0.6	0.6	0.8	0.7	0.8	1.0
Zfp715	5.9	6.1	5.6	5.4	6.9	6.0	5.8	5.0	5.4	5.7	5.6	5.9
Zfp719	3.8	3.5	3.5	3.3	3.6	3.7	3.2	3.7	3.9	4.0	3.9	3.7
Zfp71-rs1	3.3	3.9	4.0	3.4	3.5	4.0	2.6	3.6	3.2	3.9	3.7	3.9
Zfp72	1.3	1.3	1.7	1.6	1.5	1.7	1.5	1.5	1.4	1.5	1.5	1.7
Zfp738	2.8	2.6	3.1	2.9	2.9	3.2	2.2	2.7	2.9	3.3	3.3	3.1
Zfp74	2.9	3.1	3.3	2.7	2.4	3.5	2.1	3.0	2.9	2.3	2.8	2.9
Zfp740	11.2	11.9	10.2	9.9	10.5	10.8	10.3	9.3	11.7	10.7	10.2	10.8
Zfp746	4.8	5.4	4.9	5.2	5.0	5.4	5.2	5.2	5.4	5.4	5.7	4.9
Zfp747	1.6	1.6	1.9	1.9	2.0	1.7	2.1	2.0	1.9	2.0	1.8	2.2
Zfp748	2.7	2.6	3.7	3.1	2.7	3.9	2.8	3.2	3.2	3.1	4.2	2.9
Zfp750	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.1	0.0	0.1	0.1	0.0
Zfp758	1.4	3.0	4.0	2.5	3.1	2.9	2.4	3.1	3.5	3.9	4.4	4.5
Zfp759	1.7	1.7	2.2	1.4	1.8	1.8	1.2	1.7	1.5	1.6	1.9	2.1
Zfp760	2.5	2.9	2.6	2.1	2.6	2.9	1.9	2.2	2.6	2.9	3.1	2.6
Zfp763	1.2	1.1	1.4	0.9	1.0	1.4	1.0	1.2	1.6	1.7	1.4	2.0
Zfp764	2.1	2.5	3.2	2.9	2.9	2.7	3.3	3.2	2.9	2.9	2.9	3.4
Zfp768	4.7	4.6	5.4	5.5	5.3	6.0	6.1	5.7	6.5	5.3	5.2	5.6
Zfp770	1.7	2.1	2.3	2.4	2.4	2.9	1.8	1.8	2.1	2.5	2.4	1.9
Zfp771	13.8	9.4	9.7	7.0	7.9	7.0	10.7	14.0	12.9	16.3	12.8	14.2
Zfp772	1.6	2.0	1.9	1.2	1.9	1.9	1.6	1.8	1.7	1.5	1.5	1.7
Zfp773	0.0	0.0	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1
Zfp775	1.6	1.8	1.5	1.3	0.9	1.5	1.3	1.2	1.2	1.0	1.2	1.2
Zfp777	4.1	4.4	4.5	4.4	4.2	4.5	5.3	5.2	5.1	4.5	4.9	5.3
Zfp78	0.5	0.6	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.9
Zfp780b	2.9	3.6	3.0	3.0	3.1	3.0	2.2	2.7	2.6	2.8	2.8	3.1
Zfp781	2.2	2.4	2.4	2.4	2.0	2.2	1.7	2.2	1.9	2.6	2.2	2.2
Zfp783	0.6	0.5	0.6	0.2	0.3	0.4	0.3	0.7	0.4	0.4	0.3	0.3
Zfp784	0.6	0.8	0.8	0.8	0.7	0.9	0.7	1.0	0.6	0.9	1.2	0.8
Zfp786	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
Zfp787	3.9	3.4	3.0	3.5	3.8	3.7	3.5	3.3	3.3	3.7	2.9	3.1
Zfp788	2.0	1.6	1.8	1.5	1.6	2.0	1.6	1.6	1.6	2.0	1.8	2.1

Online Table 1

Zfp790	4.8	5.2	5.0	5.7	4.3	4.9	4.1	4.2	4.6	5.0	5.4	5.7
Zfp791	0.8	0.7	0.9	0.7	0.5	0.8	0.6	0.6	0.6	0.5	0.5	0.7
Zfp799	2.8	2.9	3.7	2.5	2.7	3.0	2.7	3.6	3.2	3.5	3.6	3.1
Zfp800	3.6	3.7	3.5	4.1	3.4	3.8	3.4	3.3	3.1	3.5	4.3	3.7
Zfp804b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp808	1.1	1.7	2.2	1.4	1.6	1.8	1.2	1.5	1.4	1.5	2.4	1.7
Zfp809	18.6	13.4	14.4	12.1	13.9	11.5	18.1	12.3	22.5	20.7	22.3	27.9
Zfp81	1.9	3.1	3.0	2.4	2.9	2.3	2.2	2.7	2.8	3.0	3.1	2.7
Zfp810	4.1	4.1	4.7	3.3	3.5	2.7	3.7	4.8	4.8	4.4	5.0	5.3
Zfp811	0.2	0.4	0.2	0.0	0.6	0.1	0.2	0.1	0.2	0.2	0.3	0.2
Zfp82	1.7	2.4	2.0	2.0	2.2	2.0	1.4	2.2	2.2	1.4	1.8	1.7
Zfp820	1.0	1.9	2.4	1.8	1.6	2.3	1.6	2.0	1.9	1.5	2.4	2.6
Zfp821	2.2	2.9	3.2	2.9	2.5	2.7	2.6	3.4	3.1	2.7	2.5	2.9
Zfp825	6.7	9.2	9.1	6.2	7.0	7.4	5.9	7.7	6.2	7.2	6.8	7.0
Zfp827	0.4	0.2	0.4	0.4	0.3	0.4	0.4	0.7	0.5	0.8	0.8	0.5
Zfp828	7.7	6.6	7.8	8.2	7.0	7.4	7.7	8.0	6.8	8.1	8.7	7.7
Zfp830	3.9	4.6	4.8	4.7	4.1	4.9	4.2	4.1	3.9	4.6	4.9	5.1
Zfp839	2.8	3.0	2.9	2.5	2.7	2.2	3.0	2.3	2.4	2.5	2.3	2.6
Zfp84	2.6	2.8	3.2	3.0	3.0	2.3	3.1	3.4	3.1	3.8	3.7	3.6
Zfp846	2.0	1.8	1.7	2.2	1.6	2.1	1.7	1.9	1.8	1.7	1.8	2.2
Zfp85-rs1	1.2	1.1	1.8	1.0	1.1	1.7	1.4	1.5	1.2	1.2	1.0	1.8
Zfp862	0.8	0.8	0.9	0.6	0.7	0.6	0.7	0.9	0.8	0.6	0.6	0.8
Zfp865	1.3	1.5	2.0	1.9	1.3	1.8	1.9	2.0	1.8	1.4	1.6	1.3
Zfp866	3.6	3.5	3.9	3.5	3.5	3.0	3.4	4.0	3.5	3.2	4.0	4.0
Zfp867	4.0	3.4	3.9	3.0	2.9	3.1	2.4	3.5	3.4	3.3	3.6	3.9
Zfp868	2.4	2.6	2.7	2.8	2.7	2.3	2.5	3.1	2.8	3.6	2.7	3.3
Zfp869	8.1	7.0	7.9	8.3	7.0	7.3	7.1	7.2	7.3	8.6	7.9	8.0
Zfp87	3.5	3.5	3.5	2.9	3.8	3.8	3.6	4.1	3.3	4.0	3.5	3.9
Zfp870	1.7	1.2	1.6	1.2	1.4	1.6	1.5	1.5	1.3	1.5	1.5	1.6
Zfp871	3.3	4.1	4.5	3.9	4.0	3.8	3.4	3.6	3.4	3.8	3.9	3.9
Zfp872	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Zfp873	1.1	1.2	1.0	1.7	1.0	1.1	0.9	1.1	1.1	1.2	1.4	1.1
Zfp874a	7.6	6.9	6.8	7.4	6.4	6.4	5.0	4.5	5.5	8.5	6.8	6.6
Zfp874b	3.8	3.4	2.7	4.0	3.6	3.8	1.9	2.3	2.4	3.6	3.0	3.0
Zfp879	0.3	0.2	0.3	0.2	0.2	0.6	0.2	0.3	0.1	0.3	0.4	0.3
Zfp882	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.7	0.6	0.5	0.7	0.7
Zfp9	5.3	6.0	6.3	6.2	5.5	6.0	5.8	7.3	6.7	5.7	7.7	7.3
Zfp90	4.2	4.0	4.1	4.2	3.9	4.4	4.1	4.6	3.8	4.6	5.2	4.8
Zfp91	20.9	18.7	21.0	24.9	19.7	21.2	20.7	18.1	17.6	17.9	20.2	22.0
Zfp92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp93	2.7	3.2	3.1	3.0	2.4	3.2	2.4	2.7	2.8	2.7	2.9	3.2
Zfp930	3.2	3.2	2.8	3.0	3.1	3.7	2.1	2.8	2.3	2.8	3.7	3.4
Zfp931	3.1	3.0	2.2	4.0	2.7	3.5	2.8	2.3	2.6	4.3	3.9	3.5
Zfp932	7.0	7.9	6.7	5.6	6.2	7.9	4.7	5.5	5.3	6.4	8.6	6.4
Zfp933	3.9	3.3	3.5	4.9	3.3	4.1	3.0	3.2	2.6	3.1	3.4	3.3
Zfp934	1.3	2.0	2.6	1.2	2.0	2.2	1.7	1.9	1.6	1.8	2.5	2.0
Zfp935	3.6	4.2	4.5	3.7	4.5	3.8	3.1	4.5	4.4	4.4	4.6	5.2
Zfp936	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp937	2.2	2.4	2.9	2.1	1.9	2.4	2.1	2.8	2.2	2.6	2.7	2.8
Zfp938	3.0	2.8	2.7	3.9	3.2	3.0	2.6	2.6	3.1	3.7	3.5	3.7
Zfp939	1.1	1.0	0.9	0.9	0.9	0.9	0.5	0.9	0.7	0.8	1.1	0.8
Zfp94	1.1	1.1	1.0	1.8	1.0	1.9	0.9	1.2	0.9	1.2	0.9	1.2
Zfp940	0.3	0.5	0.5	0.5	0.4	0.4	0.3	0.4	0.3	0.4	0.5	0.6
Zfp941	0.4	0.2	0.1	0.3	0.2	0.3	0.3	0.2	0.1	0.4	0.3	0.2
Zfp942	3.3	4.4	4.9	4.6	4.9	5.3	4.0	4.1	4.3	4.7	5.1	5.5
Zfp943	3.3	4.1	5.1	3.5	4.5	3.9	3.5	4.3	4.2	4.3	5.8	4.9
Zfp944	2.9	4.3	4.3	3.7	3.8	3.7	3.3	3.5	3.3	4.3	4.1	4.1

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Zfp945	2.2	1.9	2.2	1.9	1.7	1.9	1.9	2.4	2.2	2.4	2.9	2.6
Zfp946	1.2	1.8	2.2	2.2	1.9	1.9	1.8	2.5	2.0	1.7	2.7	2.0
Zfp947	1.1	1.7	1.5	1.9	1.5	1.8	1.2	1.7	1.2	1.6	2.0	2.1
Zfp948	6.3	6.8	8.3	7.2	8.5	6.5	10.0	6.8	8.1	6.9	9.6	9.8
Zfp949	2.1	2.0	2.5	2.1	1.9	2.2	1.8	2.6	2.6	2.4	1.9	2.9
Zfp951	2.6	1.8	1.7	2.3	1.9	2.5	1.7	2.4	1.7	2.2	2.1	2.2
Zfp952	3.1	2.9	3.1	2.5	3.1	3.0	2.2	3.0	2.9	2.6	2.8	3.4
Zfp953	0.8	1.0	1.1	0.7	0.9	0.6	0.8	0.8	0.8	0.9	1.1	0.9
Zfp954	4.9	3.9	4.3	3.7	3.9	3.7	3.7	4.1	3.8	4.1	4.4	4.5
Zfp955a	6.5	6.5	6.7	6.0	5.9	5.8	6.1	5.5	6.4	5.8	5.9	7.4
Zfp955b	7.2	6.9	7.1	6.0	6.2	6.5	6.3	5.3	6.1	5.9	6.5	7.9
Zfp956	1.8	1.9	1.8	1.8	1.4	1.9	1.3	1.5	1.8	1.4	1.7	1.7
Zfp957	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp958	3.9	4.8	5.1	4.4	4.3	4.1	3.7	4.1	4.3	6.5	5.5	5.4
Zfp959	1.5	1.6	1.8	1.7	1.6	1.3	1.3	2.2	1.7	2.0	1.6	1.8
Zfp960	5.4	5.8	5.7	4.9	5.1	4.5	3.6	5.2	4.8	4.8	5.7	5.6
Zfp961	1.7	2.1	2.6	1.9	1.9	1.8	1.5	2.0	2.3	2.0	2.0	2.1
Zfp963	1.5	1.6	1.7	1.4	1.2	1.2	1.8	1.8	1.3	1.7	1.3	1.4
Zfp964	1.5	1.4	1.5	1.1	1.0	1.4	1.1	0.9	1.5	1.5	1.3	1.5
Zfp97	4.9	5.3	5.1	4.3	4.8	4.7	3.5	4.4	4.5	4.5	5.6	5.0
Zfpl1	15.1	14.9	13.8	16.9	12.9	15.5	14.6	16.8	15.7	13.6	13.8	15.4
Zfpm1	3.6	3.9	3.6	2.5	2.4	2.8	3.4	3.2	3.1	7.7	5.4	4.9
Zfpm2	3.4	4.0	4.0	6.4	4.3	6.2	4.1	3.4	3.6	4.1	4.2	3.7
Zfr	29.6	30.9	30.4	33.9	28.2	31.8	30.9	33.0	26.9	33.4	39.2	36.7
Zfr2	1.5	1.9	2.2	1.6	0.9	2.5	1.1	1.6	1.8	1.4	1.0	1.3
Zfx	8.6	8.3	7.2	7.6	7.3	7.9	7.0	6.5	7.5	9.0	10.0	10.1
Zfyve1	13.4	13.6	13.1	12.1	12.4	12.9	12.0	12.6	13.9	13.3	13.1	13.0
Zfyve16	10.7	9.7	8.5	9.9	9.6	9.1	8.4	8.2	9.0	11.0	11.2	10.3
Zfyve19	3.4	3.9	3.7	3.9	3.9	3.8	4.2	4.3	3.9	4.0	4.5	3.9
Zfyve20	9.9	10.3	8.9	10.8	9.5	9.1	9.6	9.0	8.9	8.8	9.8	9.8
Zfyve21	12.4	15.8	12.5	9.7	12.1	13.5	12.9	15.3	16.1	14.8	12.1	13.0
Zfyve26	2.6	3.2	2.9	2.8	3.0	2.9	2.5	3.0	2.7	2.3	2.2	2.1
Zfyve27	4.0	3.9	3.1	4.9	4.3	4.4	4.0	3.8	4.1	3.8	3.8	3.7
Zfyve28	0.3	0.3	0.6	0.2	0.4	0.2	0.6	1.0	1.1	0.6	0.8	0.8
Zfyve9	13.3	11.4	9.8	11.9	8.8	13.4	9.3	10.5	9.3	10.1	10.8	10.7
Zglp1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Zgpat	10.5	9.1	8.8	9.7	8.9	10.6	7.9	8.3	10.9	11.4	8.8	8.5
Zhx1	24.9	24.6	22.0	30.8	21.4	25.0	22.0	19.0	19.8	21.8	24.8	25.3
Zhx2	6.0	8.1	9.9	6.9	6.2	6.9	6.4	8.2	7.0	4.9	5.9	6.5
Zhx3	4.8	5.7	6.4	5.4	4.4	4.2	5.0	5.2	4.4	4.0	4.4	5.1
Zic1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Zic3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zic5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Zik1	1.4	1.5	1.2	1.3	1.6	1.4	1.5	1.3	1.4	1.3	1.4	1.5
Zim1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
Zkscan1	6.0	5.9	6.8	5.7	5.4	5.8	5.1	6.6	5.6	6.8	6.1	7.0
Zkscan14	3.1	3.2	2.7	3.6	3.0	4.4	2.3	2.4	2.3	3.4	3.0	3.2
Zkscan16	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Zkscan17	3.9	4.3	4.7	3.3	4.0	4.6	4.2	4.9	4.5	4.4	4.5	3.6
Zkscan2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.1
Zkscan3	12.3	12.7	11.8	10.0	9.6	9.9	10.0	11.8	13.3	13.9	12.4	12.4
Zkscan4	1.5	1.9	1.6	1.3	1.2	1.6	1.3	1.2	1.6	1.7	1.3	1.5
Zkscan5	3.6	3.8	4.1	4.0	3.4	3.9	4.0	4.4	3.4	4.4	4.3	4.3
Zkscan6	3.6	3.5	3.4	2.6	3.9	4.3	3.5	3.5	3.5	4.9	4.2	4.2
Zkscan7	2.2	2.4	2.7	2.0	1.8	1.7	1.6	2.5	2.1	2.5	1.8	2.2
Zkscan8	3.1	3.4	3.9	3.7	3.1	3.3	3.4	3.5	3.1	3.7	3.8	3.8
Zmat1	1.0	1.3	1.5	1.0	0.9	1.2	1.0	1.2	1.0	1.3	1.5	1.6

Online Table 1

Zmat2	27.7	23.2	27.6	37.6	22.7	28.7	23.6	24.4	17.9	21.4	27.3	26.8
Zmat3	6.1	6.6	5.7	6.5	6.7	7.5	6.4	5.3	5.9	7.1	5.7	5.2
Zmat4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Zmat5	11.3	10.6	6.8	13.0	13.4	10.3	9.2	10.9	10.1	10.0	10.8	9.3
Zmiz1	1.1	1.7	2.0	1.6	2.2	1.3	2.8	2.3	2.5	1.9	1.9	1.6
Zmiz2	1.2	2.2	1.3	1.8	2.2	1.6	1.5	1.3	1.5	1.4	1.3	0.9
Zmpste24	24.1	23.8	22.1	26.3	22.9	24.2	24.0	22.3	21.3	23.4	25.2	24.6
Zmym1	2.5	3.4	3.6	3.4	3.6	3.3	3.6	2.9	3.0	3.2	3.4	2.9
Zmym2	10.9	11.8	11.8	10.9	10.8	11.3	10.3	11.3	11.7	11.6	13.0	13.4
Zmym3	3.5	4.5	6.4	2.5	3.9	4.3	3.9	5.3	4.7	4.6	4.7	3.8
Zmym4	6.0	7.0	6.5	5.5	5.3	5.4	5.8	6.1	5.8	6.4	6.3	6.8
Zmym5	4.5	4.9	5.4	4.4	4.3	4.5	4.4	4.7	5.0	4.8	4.7	5.3
Zmym6	5.5	6.3	6.1	5.1	4.9	6.5	4.2	4.8	5.1	5.7	4.9	6.0
Zmynd10	0.1	0.0	0.1	0.2	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
Zmynd11	23.3	21.1	22.6	26.9	19.1	24.4	22.0	22.8	21.1	21.3	24.9	25.8
Zmynd12	0.3	0.2	0.1	0.6	0.2	0.5	0.1	0.2	0.1	0.2	0.1	0.5
Zmynd15	0.8	0.4	0.8	1.8	3.9	0.8	1.0	0.6	0.5	0.8	0.4	0.9
Zmynd19	11.9	9.7	9.3	9.5	10.3	9.5	10.8	10.6	10.4	9.7	11.4	8.7
Zmynd8	12.1	13.5	14.3	15.8	13.5	13.5	14.0	14.2	12.5	11.8	11.9	11.0
Znf41-ps	4.7	4.9	5.4	5.6	5.0	7.0	3.8	4.4	4.1	4.7	5.3	5.6
Znf512b	3.2	3.6	4.0	2.5	2.9	2.5	3.6	3.1	3.9	3.4	2.9	2.8
Znfx1	15.7	16.5	17.4	22.8	18.3	15.7	16.4	14.6	14.2	10.7	13.6	15.2
Znhit1	17.4	16.6	15.1	22.8	14.9	18.4	17.0	17.6	14.7	16.7	19.7	18.5
Znhit2	11.6	10.2	7.7	10.9	8.4	12.0	9.6	9.4	10.3	10.6	9.3	8.6
Znhit3	4.8	6.2	5.3	5.5	5.5	5.1	5.0	5.1	4.7	5.0	3.7	5.0
Znhit6	4.3	3.7	3.4	4.3	3.6	3.9	3.1	2.3	2.8	4.0	3.7	4.1
Znrd1	11.5	10.5	9.6	12.3	9.5	11.9	9.9	13.4	9.7	13.5	11.0	12.8
Znrd1as	10.5	11.5	11.3	11.2	6.9	10.7	6.8	9.2	5.0	7.0	6.9	9.1
Znrf1	5.8	4.6	4.3	6.0	6.2	5.8	4.4	4.0	4.4	4.3	4.3	3.4
Znrf2	21.1	17.2	14.4	21.8	16.3	18.3	16.0	12.6	14.8	17.4	17.5	21.6
Znrf3	0.9	0.8	0.8	0.7	0.7	0.8	1.0	0.7	0.7	0.8	0.7	0.8
Zp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zp3	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.1	0.0	0.1	0.0
Zpbp	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Zpbp2	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.0	0.1	0.0	0.0
Zpld1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zranb1	11.4	12.1	13.7	10.7	9.8	12.1	9.4	12.1	11.5	11.0	12.0	13.3
Zranb2	33.8	30.7	36.8	40.6	28.1	39.3	31.3	25.8	24.7	30.7	40.6	37.9
Zranb3	1.0	1.5	1.6	1.9	2.5	1.0	1.7	1.5	1.4	1.2	1.2	1.0
Zrsr1	6.2	5.1	6.7	5.7	4.1	7.0	4.9	5.7	4.4	5.7	5.7	7.7
Zrsr2	7.7	7.2	9.9	9.5	7.1	7.6	8.5	8.8	5.5	7.7	9.1	10.8
Zscan12	2.7	2.4	2.6	2.2	2.2	2.3	2.0	2.5	2.2	2.3	2.5	3.1
Zscan18	0.8	1.0	0.5	1.0	0.6	0.9	0.5	0.4	0.5	0.8	0.7	0.6
Zscan2	1.1	0.9	1.5	1.3	1.2	1.1	0.8	1.4	0.9	1.2	1.0	1.0
Zscan20	1.6	1.4	1.4	1.5	1.3	1.5	1.2	1.2	1.4	1.3	1.4	1.1
Zscan21	5.7	6.0	6.1	7.2	5.7	6.4	5.4	7.2	6.1	6.4	6.8	7.9
Zscan22	1.2	1.3	1.3	1.5	1.1	1.1	0.9	1.1	0.7	1.3	1.4	1.3
Zscan25	4.1	3.9	2.9	3.6	3.8	3.3	3.9	3.5	3.6	3.8	3.3	3.2
Zscan26	12.1	12.3	13.0	12.7	10.5	12.9	9.5	11.3	10.7	13.2	12.3	12.6
Zscan29	4.0	3.8	3.6	4.7	4.1	3.9	4.1	3.4	3.5	3.4	3.9	3.8
Zswim1	3.0	3.2	2.7	3.0	2.8	3.4	2.9	3.3	2.6	2.6	3.0	2.6
Zswim3	1.7	2.1	1.8	1.7	1.9	1.5	2.0	1.9	1.7	1.7	1.8	1.9
Zswim4	4.2	3.9	3.6	4.0	5.5	3.6	4.7	3.7	3.6	4.6	3.7	3.0
Zswim5	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Zswim6	8.0	9.0	9.4	8.3	9.9	7.7	12.5	7.7	9.7	9.4	9.9	10.6
Zswim7	6.1	7.2	7.3	4.0	5.2	6.1	7.8	7.9	6.7	6.8	6.9	8.0
Zswim8	11.9	12.3	12.5	13.0	11.6	11.5	15.3	12.8	14.2	12.5	12.9	11.8

Online Table 1

Zufsp	4.5	5.7	4.8	5.5	4.6	3.7	4.0	4.0	4.0	5.0	5.3	4.6
Zw10	6.9	6.2	5.9	6.4	7.3	7.0	6.6	5.6	6.1	6.4	6.2	5.9
Zwilch	3.1	4.5	6.0	2.2	5.2	1.7	5.4	3.0	4.5	2.4	3.8	2.6
Zwint	30.9	25.4	21.0	41.0	26.4	33.6	27.8	17.4	17.3	23.2	23.8	23.2
Zxda	1.2	1.5	1.4	1.2	1.2	1.5	1.4	1.2	1.3	1.4	1.4	1.2
Zxdb	1.7	2.0	2.1	1.8	1.7	2.1	2.0	1.8	2.1	2.3	2.2	1.8
Zxdc	2.7	2.8	2.4	2.7	2.4	2.6	2.1	2.5	2.3	3.0	2.5	2.8
Zyg11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zyg11b	9.2	9.5	9.2	8.9	8.1	9.7	8.0	9.0	9.0	9.1	9.5	9.3
Zyx	33.1	35.5	34.4	28.4	36.2	30.1	48.4	47.1	45.6	59.3	66.5	30.5
Zzef1	7.4	8.1	7.0	7.2	7.9	6.6	8.2	6.8	8.1	8.2	7.7	7.9
Zzz3	12.4	11.7	11.3	11.1	10.2	12.2	11.3	10.8	10.7	12.2	13.1	12.5

Excluded genes												
	1	2	3	4	5	6	7	8	9	10	11	12
gene	A D0	A D0	A D0	B D1	B D1	B D1	C D3	C D3	C D3	D D7	D D7	D D7
42433	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42439	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
0610008F07Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0610009B14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
0610031O16Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
0610040J01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1110028F18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1110032F04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1300015D01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1500012K07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1600002D24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1600019K03Rik	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
1600029I14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1600029O15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700001D01Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700001F09Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700003D09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700003G18Rik	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0
1700006F04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700006H21Rik	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700007F19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700007K09Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
1700009C05Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700010B08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700010D01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1700010I02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0
1700011E24Rik	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1700011H14Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700011I03Rik	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700011M02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700012B07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
1700012B09Rik	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.0
1700012I11Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700012L04Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
1700013F07Rik	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1
1700013G24Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700013H16Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
1700015E13Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700015G11Rik	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700016D06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700016H13Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700016L21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700017D01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700017G19Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700018B08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700018C11Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700018F24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700019B03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700019D03Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700019G24Rik	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
1700019M22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700019N19Rik	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700020A23Rik	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0

Excluded Genes

1700020N01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700021F07Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700021N21Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700022A21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700022P22Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700023E05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700023L04Rik	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700024F13Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
1700024P03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
1700025F22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700025M24Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700026D11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
1700027I24Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700028M03Rik	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1700029J03Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
1700029M20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700029P11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
1700030A11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700030F04Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700030F18Rik	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700030M09Rik	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700030N03Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1700030O20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700031A10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700036G14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700040N02Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700042B14Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
1700045H11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700047E10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
1700049L16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1700051A21Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
1700054M17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1700060C20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700064M15Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1700065D16Rik	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
1700065I17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700065J11Rik	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
1700065J18Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700066N21Rik	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700067G17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700069L16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
1700072B07Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700072O05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
1700074H08Rik	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
1700081H04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1700085C21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700086L19Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700091H14Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700092C02Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700092E19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700092M07Rik	0.0	0.2	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.5
1700095A21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700095B10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700096J18Rik	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700097N02Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1700100L14Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700102H20Rik	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0

Excluded Genes

1700104A03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700108J01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700109G14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700110I01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700110K17Rik	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700112H15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700112J05Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1700113H08Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700119H24Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
1700120E14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700122O11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700123K08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700123O21Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700126H18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700128A07Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1810006J02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810009J06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810013A23Rik	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
1810035I16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810046K07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810053B23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2010005H15Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
2010106C02Rik	0.1	0.0	0.0	0.2	0.0	0.2	0.7	0.0	0.1	0.0	0.0	0.0
2010106E10Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010109I03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010308F09Rik	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
2210409E12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
2210414B05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2210417A02Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2210420H20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2300002M23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2300005B03Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
2310002D06Rik	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
2310002J15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310002L09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310007L24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310015B20Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3
2310034O05Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310042E22Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310043O21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310050B05Rik	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310050C09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310069G16Rik	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
2310081J21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
2410007B07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2410012E07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2410017I17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2410124H12Rik	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2410137F16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2410137M14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2510003D18Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
2610016A17Rik	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2610017I09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2610028E06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2610028H24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2610034M16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2610100L16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

2610206C17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2610316D01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2610528J11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2700046A07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2700086A05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
2700089I24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2810011L19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2810404M03Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.0
2810471M01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2900052N01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2900055J20Rik	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2900079G21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2900092D14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3110039M20Rik	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
3110079O15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
3110099E03Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3830417A13Rik	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4732456N10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4833423E24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4833424O15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4833428L15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4921508D12Rik	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4921509O07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4921511M17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4921515E04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4921524L21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4921531P14Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0
4921533I20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930401C15Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930402F06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930405A10Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930405D11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930407I10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930408F14Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930412B13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930412O13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930413F20Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930415F15Rik	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4930417O13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930419G24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930426D05Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930428D18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930429D17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930429F11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930430A15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930430D24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930430J02Rik	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930432J09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930432M17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930433I11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930433N12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930438E09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
4930444F02Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930444M15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930444P10Rik	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4930447J18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930448H16Rik	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1

Excluded Genes

4930448I18Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930449E01Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930451C15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
4930455B14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930455D15Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930455H04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930456L15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930459L07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930461G14Rik	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930467K11Rik	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4930468A15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930469G21Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930471C04Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930471G03Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930474G06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930474H20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930474M22Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4930474N09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930483O08Rik	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4930486I03Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930500L23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4930503E14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930503E24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4930503H13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930505G20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930511A02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930511E03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930513D17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4930513O06Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930517E11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930519F16Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4930520P13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4930522H14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930522O17Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4930524O05Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930524O08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930525D18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930526D03Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930526L06Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930527F14Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930527G23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930529M08Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4930533P14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930539N22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930542C21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930542D17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930542H20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930543E12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930544D05Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930544G11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930544M13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930545L23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930546K05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930547E14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4930548G14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930548H24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4930550L24Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

4930552N02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930553E22Rik	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930555B11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930556C24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
4930556G01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930557A04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930557J02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930558C23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4930558K02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930563F08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930564B18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930564D02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
4930564G21Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930564K09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930565D16Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930567H12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930567H17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930568E12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930568G15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930572O03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930572O13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930573O16Rik	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
4930578C19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4930578I06Rik	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930578N18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930579F01Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930583K01Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4930584F24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930590L20Rik	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4930593A02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930593A02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931406B18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931409K22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931417E11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931423N10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931428L18Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931429I11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931429L15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931440J10Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1
4932411E22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932411N23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932412D23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932414J04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932414N04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932415M13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932416K20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932443I19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
4933400C23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933400L20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
4933401D09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4933401H06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
4933402J07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933402J15Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933402P03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933405E24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933406G16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933406J08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

4933406J10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
4933407G14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933407I05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933407L21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933409G03Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933413G19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933415F23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933416C03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933416E03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933416I08Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4933422H20Rik	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4933425B07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933425L06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933427I22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933428C19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933429O19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933430M04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
4933430N04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933432I03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933433C11Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4933434I20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933436H12Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
4933438K21Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5031425F14Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5033403H07Rik	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
5033404E19Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5330413P13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5330434G04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5330439B14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5430421N21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5430425J12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5430428K19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
5430440P10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5730403I07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5730420D15Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
5730522E02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5830403M04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5830411N06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5830428M24Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5830416I19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5930412G12Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5930438M14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6030440G07Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6330410L21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6330415B21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7420461P10Rik	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
7530416G11Rik	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8430437L04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9030204H09Rik	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0
9030404E10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9030619P08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9130015L21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9130204L05Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9130230L23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9230105E05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9230112D13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
9330158H04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

9330178D15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9430019J16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9430021M05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9430069I07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.1	0.0
9430076G02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9530003J23Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
9530036O11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9530048J24Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9530080O11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9830107B12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9830166K06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
a	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
A1cf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A230001M10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
A230077H06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A330050F15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A330076C08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A330093E20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A430089I19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A430093F15Rik	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
A530065N20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A630010A05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A630012P03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A630073D07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A630095N17Rik	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
A730017C20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A730018C14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A730020E08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
A730036I17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A730046J19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A730082K24Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A730085K08Rik	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
A930001A20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A930011O12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AA387883	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aadacl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abca14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abca15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abca16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abcc8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abcg5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abhd12b	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Accsl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ace3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acer1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acpt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acr	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acrv1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acsbg2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acsm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acsm2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acsm5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actbl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actl6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adad1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adad2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Adam20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam26a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam26b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam7	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adamdec1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adamts18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adarb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adcyap1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adh6-ps1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adig	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Adipoq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Adprhl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Adra2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AF529169	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agmat	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Agxt2l1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI593442	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI606473	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
AI747448	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI836003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
AI847159	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AI854517	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aicda	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aire	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ajap1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Akp3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Akr1c20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Akr1c21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Akr1d1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alox12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alox15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alpi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alppl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Als2cr11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Amelx	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Amer2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amer3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amy2a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ang3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ang4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ang5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankfn1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Ankrd22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankrd34b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankrd36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankrd45	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ankrd63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankrd66	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankrd7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Anks4b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ano9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Antxr1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anxa10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anxa13	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apcs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apoa1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apobec4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apol10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apol11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apon	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aqp12	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aqp8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arhgap36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arhgap40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arid3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arl13a	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Arl9	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Armc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Armc4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arrdc5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Art1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Art2a-ps	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Art2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asb10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asb11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asb12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asb17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Asb9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ascl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ascl5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asgr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asic2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asic4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asmt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aspdh	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asphd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atoh1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp13a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp2b3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp2c2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp4b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AU018091	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AU018829	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AU019990	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
AU022751	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Avpr2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
AW549542	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Azgp1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
B020004C17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B020014A21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
B230119M05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
B230209E15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B230312C02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B230323A14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B4galnt4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B830017H08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
B930018H19Rik	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
B930092H01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Baat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barhl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BB014433	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BB019430	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BB123696	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BB283400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BB557941	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0
BC021614	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC027072	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC030870	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC039966	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC048502	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC048507	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC048609	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.0	0.1	0.0	0.0
BC048679	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC049352	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC049635	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
BC080695	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC089491	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
BC089597	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC094916	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC107364	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
BC147527	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bcl11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bcl2a1c	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bdkrb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bend5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Best2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bglap3	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Bhmt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bmp7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Boll	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifa6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Bpifb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifb4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifb5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifb6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Bpifb9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifb9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brs3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bsx	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btbd17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btg4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btn1a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btnl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btnl10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btnl5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C030018K13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
C130030K03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C130060K24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C130071C03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C130080G10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1ql2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1ql4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C230004F18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

C230024C17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C230079O03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2cd4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2cd4d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330011F03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330022C24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
C330046G13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C4bp-ps1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
C630020P19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C630028M04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C630031E19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C86187	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C87414	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C87977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cabp5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacna1f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacng1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Cacng2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacng3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacng4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacng5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cacng6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calb1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Calb2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Calcr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Camkv	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capn13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Caps2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capsl	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Capza3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Car1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Car2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Car3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Casr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Catsper1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Catsper4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Catsperb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cbln4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc113	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc153	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc172	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc177	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc178	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc42b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ccdc54	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc60	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Ccdc67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccer1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cckar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cckbr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccl22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Ccl24	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ccnb1ip1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccr11l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccr2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccr6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd209a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd209d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Cd209f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Cd226	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd3d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd3g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd40lg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd5l	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Cd7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd79b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdcp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdhr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdhr5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdk5r2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam18	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cebpe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cer1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces2h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces5a	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cfd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Cga	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chi3l3	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Chi3l4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chia	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Chp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrdl2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrm5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrna3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrna6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrb3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Chrn4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrnd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrne	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrng	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chst9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cib4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cidea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cidec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cited1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Ckm	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clca3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clcnka	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cldn13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Clec12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clec1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Clec3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clec4b1	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clrn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clrn3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clvs2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cma2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Cml5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cmtm1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cmtm2a	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cnfn	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cnga1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cnga4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cnih3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cnksr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cnpy1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntr6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntnap4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cntnap5c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Col9a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cox7b2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
Cox8b	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
Cpa5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cplx4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Cpn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpvl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Crb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crb3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crhr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crip3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Crisp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crisp4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Crnn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Crp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crtam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crxos1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cryaa	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crybb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crygf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csf3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csn1s1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csn1s2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csn1s2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csn3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csnka2ip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csrnp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csrp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cst13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cst8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctag2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctf2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctrc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cts7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Cts8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cts8-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctse	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctsq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctxn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ctxn3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cuzd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cwh43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cxcl13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Cxcl17	0.1	0.0	0.3	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.2
Cylc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cym	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp11a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp11b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp19a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp1a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp21a1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp24a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp26a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Cyp2a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2b13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2b9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c53-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2d10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2d11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2d13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Cyp2d34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2d37-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2d40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2e1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2f2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2j11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2j12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2j5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2j8	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp3a16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp3a41a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp3a44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp3a57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp3a59	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4a10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4a12a	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4a14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4a30b-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4a31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4a32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4f39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp4f40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp8b1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp12	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Cyp13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cysltr2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cytl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyrr1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D030045P18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D130058E03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D430019H16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D5Ert577e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D630013N20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D6Ert474e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D7Ert143e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D830013O20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D930007P13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D930020B18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D930032P07Rik	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Dao	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Darc	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Dbpht2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dbx2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dcstamp	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dcx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Defb20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Defb28	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb42	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

Excluded Genes

Defb7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dgat2l6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dgkb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dgkk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dhrs2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dio1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dkk1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dleu7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dll3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dlx1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Dlx1as	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dlx3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dlx6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmbt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmbx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmgdh	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Dmrt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmrta1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmrtb1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmrta1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmrta2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Dnajc22	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnase1l3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Doxl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dpep3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dpp6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dppa1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dppa3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Dppa4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Dppa5a	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Dpys	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
DQ267102	0.0	0.0	60.2	0.0	0.0	108.6	0.0	0.0	0.0	310.7	0.0	81.5
Drd2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drd5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dsc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dsg1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dsg1b	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dsg1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dsg3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dspp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dusp26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dux	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DXBay18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dydc1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E030013I19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E030025P04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E030044B06Rik	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E130006D01Rik	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
E130008D07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E130215H24Rik	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E130309F12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E230008N13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E230019M04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E230029C05Rik	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E330014E10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E330021D16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E430016F16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

E530001F21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ear10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ear12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
Ear2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ear5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eddm3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Edn3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Efcab10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Egfem1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Egr4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eif4e1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elf3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elovl3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Emx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Enam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Entpd8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epcam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epha10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epha8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epo	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Erich2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ern2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Esrp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Esx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Etd	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Evx2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F13b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F830045P16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fa2h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fabp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Fabp12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fabp2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam124b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam135b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam151a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Fam154a	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Fam159a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam170a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam170b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam181a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam181b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam187a	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Fam187b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam189a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam19a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam216b	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Fam229a	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam24a	0.0	0.0	0.0	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
Fam3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam46d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Fam71a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Fam71e2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam83b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam92b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fasl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fate1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbxo39	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Fbxw13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbxw14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbxw20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbxw22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fbxw28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcamr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcrl5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcrl6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcrla	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcrlb	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Ffar4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fga	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgf15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgf22	0.2	0.0	0.1	0.1	0.0	0.0	0.6	0.0	0.1	0.1	0.0	0.3
Fgf8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Fgfbp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fhl5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fitm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flg2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fmo6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fmo9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fnd3c2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fndc3c1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Folr4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxa1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxa3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxd3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxe3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Foxh1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Foxi1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxi2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxr1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fpr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fpr-rs3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Frmpd3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fscn3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fshb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fshr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ftcd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ftmt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fut1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fut2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Fut9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fxyd4	0.0	0.0	0.1	0.7	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.2

Excluded Genes

G630055G22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
G630093K05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G6pc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabra2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabra5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabrg1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabrg2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabrg3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabrq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabrr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabrr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gad1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gad2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galnt13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galnt5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galnt6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galp	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gapt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas2l2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gcm2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gcnt3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gcsam	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gfra3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Gfral	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ghrh	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0
Ghsr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gip	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gipc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gja10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gjb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gjb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gjd3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gjd4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gje1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gk2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gkn3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glb1l3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glpr1l1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glpr1l2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glr4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glrp1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Glt1d1	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Glt6d1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10007	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm10057	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10248	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10318	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm10324	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10373	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Gm10375	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Gm16390	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm16404	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm16405	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm16445	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm1647	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm16497	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm1653	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm16701	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.0
Gm16833	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Gm16863	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm1720	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm17359	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm17365	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm17660	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm17745	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm17746	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm17751	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm18409	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19277	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm19395	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Gm19424	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19689	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm19782	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm1993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm1995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20063	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20098	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20187	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20556	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2061	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20738	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20740	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm20743	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm20745	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20747	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20751	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm20753	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Gm20754	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20756	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20757	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20758	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20806	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20809	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20815	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20816	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20823	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2083	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20831	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20854	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20857	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20865	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Gm20867	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20871	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm20917	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21057	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Gm2109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21637	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21693	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21708	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21944	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm21947	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2447	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2663	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2762	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gm2799	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2837	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2848	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2913	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm2933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3139	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3143	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Gm3259	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3286	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3336	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm3404	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm364	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3706	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3750	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3763	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3833	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm3925	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4064	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm410	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4133	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4187	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4278	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm428	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4297	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4301	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4303	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4312	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4371	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm438	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm4461	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm4489	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4567	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4598	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4745	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4776	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4791	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4792	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm4814	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4827	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm4847	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4850	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Gm4858	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4861	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0
Gm4871	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4894	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4937	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4956	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm4975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm4981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5065	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5083	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5089	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5091	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5108	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm5134	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm5168	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5169	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm525	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm5294	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5382	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Gm5420	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5460	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5483	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5535	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5547	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Gm5591	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5592	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5615	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5622	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5640	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5725	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5728	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5741	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5797	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gm5833	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5886	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm5891	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5934	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5936	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm5941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Gm597	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm609	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6116	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0
Gm6121	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm614	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm6164	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6249	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6289	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6307	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6329	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Gm6367	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6408	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6416	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm648	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Gm6531	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6588	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6592	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6602	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6614	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6772	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6792	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6890	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6902	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm6994	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm7008	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.2
Gm7104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm7271	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm7325	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm7337	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm7457	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm7534	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm7550	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm757	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm765	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gm7714	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm7903	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm7978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm805	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8179	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8221	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm826	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gm8267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm833	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8363	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8439	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8693	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8709	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm872	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8720	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm884	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm8884	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm889	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Gm9047	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Gm9125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9376	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9573	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9758	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9839	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9926	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm9999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gmcl1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gml	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Gmnc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gnat3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gngt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gnmt	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Gnrhr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Golga7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gp9	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0

Excluded Genes

Gpa33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gphb5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr113	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr119	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr139	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr149	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr15	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gpr150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr158	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr171	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr174	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr37/1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpr87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gprc5d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpx2-ps1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Gpx5	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gpx6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grb7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grhl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gria2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grid1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grid2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grin2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grm4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grm6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grm8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grpr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gsc2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gsdma3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gsdmc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gsdmc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gsdmc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gsdmcl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gstt4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gtsf1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gtsf11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Guca2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Guca2b	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gucy1b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gucy2d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gucy2f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gulo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gykl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gypa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gzmb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gzmd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Gzmn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H1foo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-Eb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-M1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-M10.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

H2-M10.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-M10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-M10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-M10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-M10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-M11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-M2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
H2-Oa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H2-Ob	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hamp	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hand1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Hao1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Hapln2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Havcr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hba-a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hba-a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hcn4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Hcrt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hcrr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hdhd1a	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hemgn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hemt1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Hepacam2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hes2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hes5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hesx1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Hfe2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hhip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Higd1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Hist1h2aa	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Hist3h2ba	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hkdc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hmx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hmx2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hnf1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hormad1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxa11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxa11as	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxa13	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxa9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxc11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Hoxc12	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxd13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hpca	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hpse2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hrasls5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hrh3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hs3st2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hs3st5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hsbp1l1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Hsd17b14	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Hsd17b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hsd17b3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hsd3b5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Hsd3b6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hsh2d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Hspb3	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Htr1b	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr1f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hyal5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Hyal6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iapp	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ibsp	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ifi202b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifi44l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iftm6	0.2	0.0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Iftd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna13	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Ifna6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifnab	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Ifnb1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.0	0.1
Ifne	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifng	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifnk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Igf2as	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Igfbp1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Igj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Igl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Igsf1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Igsf5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ihh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ikzf3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il17a	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il19	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Il1f5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il1f8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Il21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il24	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Il27	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Il31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il4	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0
Il5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Il9r	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Illdr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iltifb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inhbc	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Inhbe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Insl5	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ipcef1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iqca	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iqcf5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Iqcj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iqsec3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Irgc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Irx4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Irx6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Itk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Itln1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Izumo1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Kbitbd13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcna7	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Kcnb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnc4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcng1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcng3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnh6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnh7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnh8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnj1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnj16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnj3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk10	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnk9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnmb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnq2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcns2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kcnv1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kctd19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Keg1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Khdrbs2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kif12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kirrel2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klhl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klhl14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klhl40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klk14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klk1b27	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Klk6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klk7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klk9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klra1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klra12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klra15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klra17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klra3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klra7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klrb1a	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klrb1-ps1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Klre1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Klri2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Klrk1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kncn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kppp	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kremen2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt13	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Krt15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt32	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt33a	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krt9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krtap11-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krtap1-5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krtap17-1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krtap2-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krtap9-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ky	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L1td1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L3mbtl4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L3mbtl4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lad1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Lao1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lce1a1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lce1a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lce1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lce1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lce1f	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lce1i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lce6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lcn8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ldhc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lect1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lect2	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Lgals12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lgsn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lhb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Lhcgr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lhfpl5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Lhx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lhx3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lin28a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lin28b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lingo2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lingo3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lipf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Lipi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lipk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Lipm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lmo3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lmx1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOC100040786	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOC100048884	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOC100502924	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOC100503280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Loxhd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lpcat2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lpo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrcol1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Lrfn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrfn5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrit1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrit3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc10	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc3b	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Lrrc43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc52	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Lrrc6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrc7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lrrtm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ltb	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Luzp4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ly6g6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ly6g6d	0.0	0.0	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ly6g6f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ly6h	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lyg2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lypd3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lypd4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lypd8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Magea5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Magea6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Magea8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mageb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mageb18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mageb3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mage12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Marveld3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Matn1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mb	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Mbd311	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Mbd312	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mbl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mbl2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.1
Mcf2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mcin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Mcoln3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mcpt1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Mcpt2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Mcpt9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mcpt-ps1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Mei4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Meig1	0.2	0.0	0.0	1.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1
Mep1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mepe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mesp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Mettl11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mfsd6l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mia2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mill1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Miox	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
Mir10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
Mir1186	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0
Mir1188	0.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1192	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1193	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1197	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0
Mir1247	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.4	0.0	0.0	0.0	0.0
Mir1843b	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	11.9
Mir1892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1894	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8
Mir1896	0.0	0.0	47.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1903	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1905	0.0	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	35.5	0.0	0.0
Mir1906-1	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0
Mir1938	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0
Mir194-1	0.0	0.0	0.0	0.0	95.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1946a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.9	0.0	0.0	0.0	0.0
Mir1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir199a-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir214	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir219-1	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	5.3	5.9	0.0	0.0
Mir219-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir221	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir223	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir23b	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir24-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	122.7	0.0	0.0	0.0
Mir27a	0.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0	0.0	0.0	0.0
Mir2861	0.0	0.0	22.1	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3064	0.0	0.0	0.0	896.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3065	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3066	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3067	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3068	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3070a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Mir3070b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Mir3096	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0
Mir3096b	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0	0.0	0.0	0.0
Mir3101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir320	0.0	0.0	0.0	0.0	0.0	0.0	1756.0	0.0	0.0	0.0	0.0	0.0
Mir324	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.0

Excluded Genes

Mir331	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0
Mir343	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3470b	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir3471-1	0.0	35.3	11.3	1.8	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.4
Mir3473	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir34b	0.0	0.0	0.0	29.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir425	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir429	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir431	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir432	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir433	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.1	0.0	2.6	0.0
Mir5046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir5109	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0
Mir5113	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir5114	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir5117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir5121	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5	0.0	0.0	0.0
Mir5122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir5130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir5131	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
Mir5133	0.0	60.8	0.0	0.0	0.0	58.6	0.0	0.0	0.0	0.0	0.0	0.0
Mir5136	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir667	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir677	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.6	0.0	0.0
Mir684-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	8.3
Mir690	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0
Mir705	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir7-1	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0
Mir760	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir762	0.0	0.0	0.0	0.0	0.0	0.0	44.1	0.0	0.0	0.0	224.8	0.0
Mir877	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mir99b	0.0	0.0	0.0	0.0	0.0	121.6	0.0	0.0	0.0	0.0	0.0	0.0
Mirlet7a-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	0.0	0.0
Mirlet7a-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mirlet7f-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mirlet7i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.7	0.0	0.0	0.0
Mlc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mlip	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mmd2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mnx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mobp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mos	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mospd4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Mptx1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
Mptx2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Mrap2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgpra1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgpra2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgpra3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgpra4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgpra6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgpra9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgprb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgprb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgprb8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mrgprd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Mrgprg	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Mrgprh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mroh4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mroh5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mroh9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ms4a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ms4a10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ms4a13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ms4a15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ms4a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ms4a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Msemb	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Msx3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muc20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muc4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Muc5ac	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mug1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mup9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myadml2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mybpc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mybphl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myf5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myh7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mylk4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myo3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myo7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myod1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myog	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mzb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Naa11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nags	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nanos2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Nanos3	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.0	0.1	0.0
Nat8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Ncan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nccrp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Ncr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nctc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nell1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neu2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neu4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neurod1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neurod2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neurod4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neurod6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neurog2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Ngp	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Nhlh2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ninj2	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.0
Nkx1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx2-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx2-2as	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx2-3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Nkx2-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx2-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx3-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx3-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx6-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nkx6-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp4c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp4e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp4g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nlrp9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nmbr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nme8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nmrk2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nms	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nmu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nmur1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nmur2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nobox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Noto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nox3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Npc111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nppa	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.0
Nppc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Npw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Npy5r	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nr0b1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nr0b2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nr1i3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nr2e1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nr5a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nrgn	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nrl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nrsn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nsg2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nt5c1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ntf3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Ntn5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nts	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ntsr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ntsr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nxph2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oas1e	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oas1f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Oas1h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Obox3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Obox6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ocm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Olf790	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf811	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf827	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Olf847	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf857	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf862	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf877	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf90	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Olf91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf923	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf943	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf994	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olig2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olig3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oncut1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oncut3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oog1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oog2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oog3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oosp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Opalin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Opn4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oprd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oprk1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oprm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otog	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otop1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otop2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otos	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otud6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ovch2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ovol2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxct2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxgr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2rx2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
P2ry10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pabpc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pabpn1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Padi6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Panx3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pate4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pax1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pax4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pax5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pax6os1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Pax7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pax8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdhb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcdhb6	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pcsk1n	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdcd1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdcd1lg2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdcl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pde6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdyn	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pea15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pebp4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Penk	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Pfpl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pga5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Pglyrp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pglyrp4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phgr1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Pigr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pik3c2g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinlyp	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Pip5kl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Pirt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pitx3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Piwil1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pkd2l1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pklr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pla2g10	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pla2g12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pla2g1b	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pla2g2d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pla2g4e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plac1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Plac8l1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Plcz1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pld5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plscr5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pmch	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Pmfbbp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pnlip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pnliprp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pnliprp2	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pnma3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pnma5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pnmal1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pnmt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Pnoc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Pof1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pou2af1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pou3f2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pou4f3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pou6f2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppapdc1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Ppbbp	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppm1n	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ppp1r17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppp1r3g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Ppp1r42	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pramef17	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prdm12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prdm13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prdm14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prima1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pri2a1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Pri2b1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pri2c1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pri3d1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Pri3d2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.0
Pri3d3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pri4a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pri6a1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pri8a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prih	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prihr	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Prm2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Prmt8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Proc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prok2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prom2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prps1l1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Prr19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prr9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Prrxl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Prss22	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss37	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Prss38	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Prss39	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Prss41	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss52	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prss56	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Prss58	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psapl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pzca	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psg16	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psg19	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psg21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psg22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psg28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psors1c2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Ptgdr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptk6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptpn20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptprh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Ptpr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptx4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pxt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pydc4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pzp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Qprt	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Orfpr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
R3hdml	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rab17	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rab9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rad51ap2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rag1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rag2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Raly1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Rasgrf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rbbp8nl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rbmy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rbp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Rbp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rbp7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Rdh18-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rdh7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rdh8	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reg3b	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Resp18	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Retn	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Retnla	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Rfpl3s	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rfpl4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Rfx4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rfx6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhbg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhcg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox2d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox2e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox2h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox3e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox3f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox3h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhox7	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.1
Rhox8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Rimbp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ripply1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rlbp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rmst	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rnf133	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rnf186	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rnu6	0.0	0.0	0.0	0.0	0.0	#####	#####	0.0	0.0	0.0	#####	#####
Ros1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rpl10l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rprml	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rrh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Rspo4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rtdr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Rtp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rtp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rtp3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubie	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rxfp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rxfp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S100a2	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S100a9	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S100g	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Saa2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saa4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sall1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sall4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Samd3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Satl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scarna8	3.6	4.4	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	17.5	0.0
Scg5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scgb2b20	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scgb2b27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scgb2b7	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scn10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scnn1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scrg1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Scrt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scrt2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sdr9c7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sec14l3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sec14l4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sel1l2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sell	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina1f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpina7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Serpinb10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb3d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb6d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb6e	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb9d	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb9e	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb9f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Serpinb9g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sertm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sez6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sfta2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Sftpa1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sftpc	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Sh2d1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sh2d1b2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Sh3gl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shbg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shcbp1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Shh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shisa3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shisa7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Siah3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Siglec15	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sim1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sit1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Six3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Six3os1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Skint1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Skint10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skint3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skint4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skint5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skint6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Skint9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slamf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc10a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc10a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc12a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc13a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc13a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc14a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc16a14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc17a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Slc17a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc17a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc18a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a12	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a28	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a30	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc22a7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc25a48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc25a54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc26a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc26a4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc26a9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc27a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc2a7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc30a10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc30a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc30a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc32a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc34a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc34a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Slc35f4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc36a3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc38a3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc39a12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc47a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc4a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc5a9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a13	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc6a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc7a15	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Slc7a9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc9a3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slc9c1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slco1a6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slco1b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slco4c1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slco6c1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slco6d1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sln1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sliitr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slurp1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2
Slx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slxl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sly	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smim18	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.3	0.0	0.1
Smok2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smok3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smpx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smr3a	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smtnl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Snai3	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Snap25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Snora2b	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Snora41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	7.3	0.0
Snora61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	279.5	323.6	0.0	0.0
Snora75	7.9	0.0	9.8	0.0	3.3	0.0	0.0	0.0	4.0	0.0	0.0	3.9
Snord11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	222.9
Snord116l2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	0.0	0.0
Snord123	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	17.9
Snord19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	937.2
Snord1b	0.0	182.5	67.1	0.0	102.6	0.0	0.0	141.1	139.5	0.0	100.6	0.0
Snord2	0.0	0.0	0.0	0.0	0.0	308.2	0.0	0.0	0.0	0.0	0.0	0.0
Snord23	0.0	11.9	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	16.4	9.0
Snord42b	0.0	1099.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Snord43	3708.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Snord53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	146.9	0.0	0.0
Snord66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	490.9	0.0	0.0	0.0	0.0
Snord69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	420.1	0.0	1005.9	0.0	0.0
Snord71	0.0	271.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Snord88c	0.0	0.0	0.0	0.0	38.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Snord96a	0.0	0.0	0.0	105.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	35.2
Sntn	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Sostdc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sowaha	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sox1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sox2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sox3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sp5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Sp8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spaca3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Spaca5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spag11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spag16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spag6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spata16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spata19	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spata21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spata3	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Spata31d1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spata32	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spdyb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Speer2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Speer4d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Speer4e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spem1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spesp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spink13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Spink4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0
Spn-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Spock1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sppl2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sprr2b	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sprr2g	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Sprr2j-ps	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sprr2k	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0
Sptlc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Srd5a2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Sstr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sstr4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1
Ssty1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ssty2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ssx9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ssxb6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St6gal2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St8sia3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
St8sia5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stfa1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Stfa2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Stmn3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Stoml3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stra8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Strc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sult1b1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sult1c1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sult1d1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sult1e1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Sult2a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sult2a6	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Sult2a7	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Sun3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Svs1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Svs2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Svs3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syce1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Syt10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syt16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syt2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Taar2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Taar5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Taar8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Taar8c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tac1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Tac2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tacr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tacr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tacr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tacstd2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tas1r2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Tas2r124	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tas2r126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Tas2r138	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tas2r143	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Tas2r144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tbc1d21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tbpl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tbr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tbx19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tcap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tdgf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tdh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tdpoz1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tdpoz3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tecrl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Teddm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tekt1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Tekt3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tepp	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Tescl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex12	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Tex13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Tex24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Tex33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex40	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Tfap2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tfap2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tff1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tgm5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tgm6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tgm7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Th	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Theg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Them5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Themis3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Timd2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Timd4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Timm8a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Tinag	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tktl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlx1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlx2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlx3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tm4sf5	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tmc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmco2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Tmed6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem139	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem182	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
Tmem196	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Tmem210	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Tmem212	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0
Tmem233	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem235	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem247	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem252	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem28	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem30c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss11c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss11d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss11g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Tmsb15a	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Tnni2	0.1	0.0	0.1	0.2	0.3	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Tnp2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Topaz1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tox2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Tox3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tph1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tpo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tppp2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tprg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tpsg1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trap1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Trat1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Treh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trem1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Trem2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trex2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trhde	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trhr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trhr2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Trim30e-ps1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim40	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim52	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Trim67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Triml1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Triml2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Trpa1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpc4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpd52l3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpm8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Try4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Try5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tsga13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tshb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tsix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tssk5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tsx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Ttc24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ttc29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ttc9b	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ttll10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ttll6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ttll8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ttr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tuba3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tubb1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tyrp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U90926	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Ubd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ube2dn12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Ubqln3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ubqlnl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ucma	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Ucn	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ucp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ugt2b1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ugt2b34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ugt2b38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ugt2b5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ugt3a1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ugt3a2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ugt8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Umod	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Umodl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Upk2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Upk3a	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Usp17lb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Usp17lc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Usp17ld	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Usp26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Usp43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uts2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Uts2d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V1ra8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Vmn2r95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r-ps11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r-ps159	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vmn2r-ps54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vsig1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vsig2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Vsig4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vsnl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vstm2l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vsx2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vwa5b1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vwc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vwc2l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vwde	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wbp2nl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wbscr25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wdr64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wdr86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wee2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wfdc13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wfdc16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wfdc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wfdc6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wfdc8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wisp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Wnt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wnt3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wnt7a	0.1	0.0	0.0	0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Wnt9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Xkr7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Xkr9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ybx2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yipf7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zar1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zar1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zbbx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zcchc13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zcchc16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zdhhc19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zdhhc22	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Zdhhc23	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp352	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp366	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp36l3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp572	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp648	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp663	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp711	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp735	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp804a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfp819	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Zfp831	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfy1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zfy2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zg16	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zic2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

1700074P13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700080E11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700080N15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700080O16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700081H22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700084F23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700085B03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700091E21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700092C10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700092K14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700094M24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700095B22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700101O22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700106J16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700109G15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700109I08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700110M21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700120G07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700121L16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700121N20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700123O12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700125G02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1700129C05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810007C17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810007D17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810007I06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1810018F18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2200002J24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2210019I11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2210407C18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2210409D07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2300003K06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310005A03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310016D03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310020H05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310030A07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310034C09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310043L19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310057J18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310057N15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310061N02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310065F04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2310079G19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2410012M07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2410088K16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2410114N07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2410141K09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2610035F20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2810007J24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2810049E08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2900093L17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3110009F21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3110015C05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4732490B19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4921501E09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4921504E06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4921506M07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

4930593C16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930595M18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930596D02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930596M17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930597G03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4930598F16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931408C20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931417E11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931419H13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931420L22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931429P17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931431B13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4931431F19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932429P05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4932702P03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933400B14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933401B06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933401P06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933402C06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933402E13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933402J10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933402N03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933403O08Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933404G15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933405O20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933406D12Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933406F09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933406K04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933411G06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933412E24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933413L06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933416M06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933417A18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933421I07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933427E13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933429K18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933430H16Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933432G23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933433F19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933436E23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933436I01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933438B17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4933440J02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5430401F13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5430402E10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5430427M07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5430434I15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5530400C23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5530401A14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5730412P04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5730435O14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5730457N03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5730460C07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5730488B01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6530411M01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7420426K07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7420701I03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

7630403G23Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8030411F24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8030423J24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8030443G20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8430422H06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9130209A04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9130227L01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9230009I02Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9230102K24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9230102O04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9230104L09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9230110F15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9330162B11Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9330182O14Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9430007A20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9430014N10Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9530002B09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9630013A20Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A1bg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A330070K13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A530006G24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A530050N04Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A530053G22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A530058N18Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A530099J19Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A630076J17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A630095E13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A730043L09Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A830019L24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A930006I01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A930009A15Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AA545190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AA619741	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aadacl3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abcb5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Abo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acnat2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actrt1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actrt2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actrt3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adam34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adh4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adh6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AF067061	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AF067063	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AF357355	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AF357359	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AF357399	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AF357426	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Afm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agr2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agxt2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Al646519	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Akap4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Akr1c6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Allc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alox12e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ambn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amtn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amy2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ang6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ankrd60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apoa4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apoc3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apoc4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aqp6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arhgef38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arl14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Armc12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arr3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asb18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ascl4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Astl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atoh7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp6ap1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atp6v1g3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AU016765	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AU022754	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Avp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AW495222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Awat1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AY512915	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AY761184	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AY761185	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aym1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B020018J22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B020031M17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B230209K01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B230214G05Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B3gat1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B930025P03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Banf2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BB031773	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC024386	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC030500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC048546	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC048562	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC048602	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC048671	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC048943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC049730	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC051070	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC051537	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC051665	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC053393	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC055402	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC061237	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC100530	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BC117090	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beta-s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bex6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bhlha9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Bhlhe23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bhmt2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bmp10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifa1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifa2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifa3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifa5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bpifb3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bsnd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bsph1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bsph2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btnl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btnl4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Btnl6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C030007H22Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C030013G03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C030023E24Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C1ql2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2cd4b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330008G21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C86695	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C87499	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cabp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cabp7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cabs1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capza3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cartpt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cbln1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cbln2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc129	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccdc70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccl1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccl26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ccr8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd163l1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd209b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd209e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd209g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd300c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cd3e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdh7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdx2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cdx4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceacam-ps1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cela2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cela3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ces1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Ces3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cfc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrm2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chrna5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chst4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CK137956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ckmt2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cldn8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clec4b2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clec4g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpls2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clrn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cmtm2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cndp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cox8c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cplx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpne6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cpxcr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crhr1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crisp3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cryba2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cryga	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crygb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crygc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Crygd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cryge	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Csprs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cst10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cst11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cst12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cts3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cts6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctsg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctsj	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctsm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ctsr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cxcl11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cylc1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2a12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2a22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2a5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2b19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2b23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2c70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2d12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2g1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp2w1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp3a11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cyp3a25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Defb39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb44-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defb9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dhrs7c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dhrsx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dlx6as2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dmrt3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnajb8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnajc5g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dnase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DQ267100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DQ267101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dsg4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Duoxa2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dusp21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dynap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dytn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E030002O03Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E030019B06Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E030019B13Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E330012B07Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E330017A01Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E330017L17Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ear1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ear11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ear14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ear4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ear6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ear7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Egfbp2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Enpp7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eppin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eras	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ernm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Etv2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Evx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F830002L21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fabp6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fabp9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Faim3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam122c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam150b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam162b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam183b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam47c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Fam47e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam50b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fam71b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcer1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fcnb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ferd3l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fev	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fezf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fezf2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ffar1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ffar2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ffar3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgf3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgf4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgf6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fgg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Figla	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxd4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxi3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foxn4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fpr-rs4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fpr-rs6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fscb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fthl17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fut4-ps1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G6pc2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gabra6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gata1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gcg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gfi1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ghrhr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gif	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gimap3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gimap7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gjb6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gjd2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gkn1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gkn2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glod5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glytl3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glycam1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10081	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10142	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10228	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10229	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10319	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10334	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10421	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10445	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10510	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gm10556	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Hbb-bh1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hbb-bh2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hbb-y	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hbq1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hbq1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hdglf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Helt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hhla1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Higd1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hmgb4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hmx3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hnf4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hnf4g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hotair	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxb1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxd11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoxd12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hrg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hrh4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hrnr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hsfy2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Htr1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hyal4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I730030J21Rik	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifna9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifnl2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ifnl3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Igfbp1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Igfbp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Igf3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il17f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il1f6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Il9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ins1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Insm1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iqcf1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iqcf3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iqcf4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iqcf6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Isx	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Itgb2l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iyd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Izumo2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Izumo3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Olf975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf976	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf979	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf992	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf993	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf995	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf996	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olf998	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olig1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Omt2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Omt2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ooep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oog4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otol1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otop3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otp	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otx2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otx2os1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pbsn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pck1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pcp4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdha2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdilt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pdx1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pfn3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pgc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pgk2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pgr15l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phox2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pifo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pih1d3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinc	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pip	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pisd-ps3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pla2g2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pla2g2f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pla2g4d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plac1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pldi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pnpla5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pom121l12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poteg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pou1f1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pou4f2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ppp1r14d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

Tcl1b5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tcstv1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tcstv3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tcte1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tctex1d1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tdpoz2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tdpoz4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tekt4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tespa1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tex36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tfap2d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tff2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tff3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlr11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlr12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmco5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmco5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmed11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem174	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem213	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem225	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem229a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmem92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmlhe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss11bni	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss11f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tmprss4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tnfrsf17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tnp1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tomm20l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tpbpa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tpbpb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tpsab1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tpsb2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trim61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trpv5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Try10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tsga8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tspo2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tspy-ps	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tubal3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Txndc8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ubash3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ube2dn1l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Excluded Genes

