

# **ANNEXURE-1**

**Annexure 1: Hubba Table Result for combined BaP affected interactome using**

**CytoHubba plug-in of Cytoscape software**

Name	Betweenness	BottleNeck	Closeness	ClusteringCoefficient	Degree
STAG1	373.28221	1	232.74841	0.671	22
RAD21	373.28221	1	232.74841	0.671	22
TAF1	1113.0388	13	248.63611	0.80882	17
TAF2	68.58951	1	212.33452	0.79532	19
SNRPD2	1.98604	1	293.62857	0.98052	56
SNRPA1	1.98604	1	293.62857	0.98052	56
SF3B1	4511.3643	4	298.87738	0.85706	60
MYC	6951.7948	4	250.68889	0.19481	22
SUPT3H	20.21814	1	206.13452	0.90909	12
SF3B2	1.98604	1	293.62857	0.98052	56
SF3A2	1.98604	1	293.62857	0.98052	56
UQCRQ	0	1	6	1	6
MT-CYB	0	1	6	1	6
GTF2A2	97.31915	1	231.48294	0.93333	15
TBP	581.2057	1	241.11508	0.59524	21
TAF6	2111.1072	3	254.88611	0.66667	22
SF3B3	1.98604	1	293.62857	0.98052	56
SNRPF	115.10349	1	294.12857	0.94925	57
SNRPD3	115.10349	2	294.12857	0.94925	57
RBM8A	2400.5744	11	301.86071	0.66683	65
UPF2	764.66124	1	274.69405	0.88304	19
UPF1	764.66124	1	274.69405	0.88304	19
SMG7	0	1	234.79841	1	17
DDX23	1.98604	1	293.62857	0.98052	56
TRA2B	0	1	289.9619	1	50
SRSF7	130.27908	1	294.62857	0.92922	58
SMC1A	10604.991	11	280.87738	0.62451	23
NHP2L1	1783.986	2	294.12857	0.94612	57
PPIH	0	1	291.12857	1	51
SRSF2	130.27908	1	294.62857	0.92922	58
HNRNPM	775.4291	2	294.12857	0.94674	57
PABPC1	92.44229	1	236.46508	0.88889	18
TAF9	1532.0806	1	244.40397	0.71579	20

KAT2A	1020.6413	1	236.94841	0.44211	20
PRPF3	0	1	291.12857	1	51
SUPT7L	20.21814	1	206.13452	0.90909	12
TAF11	137.66718	1	236.88175	0.9	16
EIF4A3	2724.0529	1	305.52738	0.67284	71
CASC3	2400.5744	1	301.86071	0.66683	65
GSPT1	0	1	234.79841	1	17
TAF7	1843.8585	2	250.88611	0.69524	21
UPF3B	2400.5744	1	301.86071	0.66683	65
SF3B5	1.98604	1	293.62857	0.98052	56
UPF3A	0	1	234.79841	1	17
UBE2D2	2378.8229	3	224.42579	0.76316	20
ANAPC11	43.61381	1	223.25913	0.93464	18
PRPF4	0	1	291.12857	1	51
CDC40	130.27908	1	294.62857	0.92922	58
TAF5	326.76241	1	239.68175	0.75263	20
SF3B6	1.98604	1	293.62857	0.98052	56
SMG1	0	1	234.79841	1	17
MAGOH	2400.5744	1	301.86071	0.66683	65
CRNKL1	1.98604	1	293.62857	0.98052	56
CDC27	13319.39	19	280.31071	0.76316	20
ANAPC4	43.61381	1	223.25913	0.93464	18
NCBP2	17873.081	11	313.34405	0.50044	83
SF3B4	1.98604	1	293.62857	0.98052	56
TAF12	138.52778	1	214.11786	0.74211	20
AKT1	20375.906	13	234.22222	0.26667	16
GSK3B	977.59958	1	240.95556	0.45455	12
UBE2S	520.41842	1	221.40913	0.90196	18
TAF4	1843.8585	2	250.88611	0.69524	21
SRSF3	130.27908	1	294.62857	0.92922	58
SMC1B	4.46556	1	215.62579	0.91667	9
AKT2	460.23536	1	228.58889	0.75	9
PDPK1	6649.7247	14	224.83889	0.26667	10
SNRPE	115.10349	1	294.12857	0.94925	57
XAB2	1.98604	1	293.62857	0.98052	56
VPS53	2	2	3.5	0.66667	3
CCDC132	0	1	2.83333	1	2
SMC3	10604.991	10	280.87738	0.62451	23
VPS51	2	1	3.5	0.66667	3

SMARCB1	3434.2206	1	266.82857	0.73333	6
SMARCC1	3763.4068	1	267.82857	0.57143	7
SNRPG	115.10349	1	294.12857	0.94925	57
TAF10	138.52778	1	214.11786	0.74211	20
FZR1	416.32407	1	228.90794	0.84211	19
DDX42	1.98604	1	293.62857	0.98052	56
PPP2R5C	352.75731	1	232.38889	0.66667	21
PPP2R1A	29132.641	27	295.15119	0.29952	46
TCF12	1782	2	146.17955	0.33333	3
TCF4	5343.9439	4	176.55278	0.16667	4
UBE2C	596.82293	1	223.92579	0.84795	19
GSPT2	0	1	234.79841	1	17
U2AF2	130.27908	1	294.62857	0.92922	58
AKT3	460.23536	1	228.58889	0.75	9
WIBG	0	1	217.5996	1	7
TAF8	97.31915	1	231.48294	0.93333	15
ANAPC2	43.61381	1	223.25913	0.93464	18
PHF5A	1.98604	1	293.62857	0.98052	56
GTF2A1	1412.695	1	239.03294	0.60819	19
PPP2CA	4166.109	1	257.77222	0.36667	40
DDX39B	57.9869	1	267.4619	0.99048	15
SNRPB2	1.98604	1	293.62857	0.98052	56
SNW1	29079.894	18	302.77738	0.80487	62
UQCR10	0	1	6	1	6
UQCRC1	0	1	6	1	6
UQCRFS1	0	1	6	1	6
STAG2	373.28221	1	232.74841	0.671	22
UQCRC2	0	1	6	1	6
RANGAP1	7701.51	6	276.09405	0.78363	19
UBE2I	8658.4776	6	233.5746	0.22078	22
SF3A3	1.98604	1	293.62857	0.98052	56
TAF13	137.66718	1	236.88175	0.9	16
ETF1	615.94173	1	274.19405	0.94771	18
UQCRB	0	1	6	1	6
SF3A1	1.98604	1	293.62857	0.98052	56
SUMO1	6011.8477	4	229.44127	0.22222	18
SNRPA	0	1	291.12857	1	51
SLIT2	2	2	4	0.66667	4
ROBO1	2	1	4	0.66667	4

SMARCA2	0	1	259.1119	1	4
TUBB	2686.7017	1	266.52738	0.67857	8
TUBA1A	570.49986	1	217.29127	0.4	11
SPC24	0	1	222.94127	1	16
SPC25	0	1	222.94127	1	16
TP53	6890.1066	3	245.25556	0.21675	29
TUBGCP3	1293.3709	1	265.52738	0.8	6
TUBGCP6	0	1	214.29127	1	5
TRRAP	505.00605	1	222.51508	0.64762	15
ZWINT	0	1	222.94127	1	16
SENP2	0	1	176.20159	0	1
TGFBR2	11297.135	7	213.54841	0.3	5
TGFB1	20019.801	12	190.03968	0.13889	9
SGOL1	0	1	222.94127	1	16
SMARCE1	3763.4068	2	267.82857	0.57143	7
UBE2K	223.07474	1	224.57579	0.81871	19
THOC6	0	1	224.28294	1	14
SRSF5	130.27908	1	294.62857	0.92922	58
TCF3	0	1	145.67955	1	2
YAP1	7146.9223	5	179.5504	0.09524	7
TEAD1	0	1	146.50693	0	1
RUVBL1	7975.0427	15	270.64405	0.43636	11
VIM	8095.8281	1	261.56786	0	2
SMC2	0	1	256.2119	0	1
TUBB1	5149.1652	4	259.54524	0.5	5
UBE2M	23455.874	13	275.9119	0.73158	20
UBE2N	28731.616	19	282.22738	0.51333	25
TMPO	0	1	256.2119	0	1
SPATA5	0	1	256.2119	0	1
WDR3	0	1	209.96905	0	1
RUNX1T1	0	1	124.28056	0	1
SRSF4	130.27908	1	294.62857	0.92922	58
TNRC6C	996.53234	1	233.73175	0.46429	8
SLIT3	0	1	3	1	2
TAF1A	2.8847	1	224.11508	0.83333	4
SGK1	0	1	174.8754	0	1
SUMO4	0	1	178.08492	0	1
ZAP70	0	1	173.52103	0	1
STMN1	0	1	201.81151	1	3

ERBB2	0	1	147.3851	0	1
ERBB3	1782	2	179.81349	0	2
SMG6	0	1	234.79841	1	17
SUN1	0	1	215.12579	1	8
SYNE2	0	1	215.12579	1	8
VTI1A	6	2	3.5	0.33333	3
SH3KBP1	8870	6	149.84224	0.33333	3
SH3GL2	5334	4	128.84325	0.33333	4
THRB	0	1	178.91825	1	2
TRIB3	532.12967	1	191.35873	0.6	5
TGFBR3	0	1	173.41944	1	2
UBE3D	0	1	220.74246	1	17
RNF19A	0	1	220.74246	1	17
UBE2E2	80.3917	1	223.24246	0.90196	18
TNFAIP3	0	1	169.60675	1	2
TNFRSF1A	1888.5394	2	180.9004	0.33333	4
SH3RF1	0	1	220.74246	1	17
SRGAP1	0	1	3.5	1	3
RELA	19121.985	3	234.59841	0.2549	18
SERPINC1	31	1	133.01151	0.66667	6
SDC2	7951	6	155.48629	0.66667	6
SKP2	4898.5022	3	232.51508	0.55336	23
TRAIIP	0	1	220.74246	1	17
TFDP1	14344.577	8	239.31508	0.23077	13
TUBA8	0.66667	1	202.31151	0.83333	4
TBCD	0	1	201.81151	1	3
SKA2	0	1	222.94127	1	16
SPRY1	0	1	127.67659	1	2
TEP1	0	1	179.14683	0	1
TLE3	2040.0961	1	206.28294	0.5	4
TCF7	0	1	205.03294	1	3
SRGAP2	0	1	3.5	1	3
VPRBP	0	1	220.74246	1	17
TOP2A	94.35115	1	189.73611	0.33333	3
USP13	0	1	177.46706	0	1
SGOL2	18.30499	1	223.44127	0.91912	17
YWHAH	1782	2	223.72222	0.6	5
TLR7	0	1	207.02579	0	1
ZNF131	0	1	178.91825	1	2

ZNF350	0	1	178.91825	1	2
SEC16B	0	1	3.16667	1	2
SEC24D	12	6	4	0.33333	3
TBC1D1	0	1	174.53254	0	1
TJP2	1083.9541	1	189.91825	0	2
UBE2T	31.56142	1	179.01706	0.5	4
TAB3	2158.2796	2	213.04246	0.5	4
TBL1X	7514.7251	6	222.31508	0.1	5
RBFOX2	0	1	218.11627	1	2
STX8	0	1	2.33333	0	1
WHSC1	0	1	213.29246	1	3
SPDL1	0	1	222.94127	1	16
MYBL2	0	1	181.93611	0	1
VWF	4449	3	155.31962	0.2	5
SUPT16H	176.03338	1	229.96508	0.2	5
SOD1	0	1	179.14683	0	1
TRIM24	0	1	130.17817	1	2
ZNF521	0	1	147.00693	1	2
TMC6	0	1	5	1	5
SLC2A3	0	1	5	1	5
VCAN	0	1	132.01151	1	5
SCG3	0	1	132.01151	1	5
SATB2	0	1	178.08492	0	1
SLBP	0	1	236.34921	1	6
RNGTT	0	1	217.61627	0	1
SDCCAG8	2	1	215.29127	0.80952	7
SCAMP1	0	1	5	1	5
RPGRIP1L	0	1	214.29127	1	5
SPARCL1	0	1	132.01151	1	5
TNRC6B	895.52922	2	231.73175	0.61905	7
WVOX	0	1	146.50693	0	1
TPD52	890	2	112.3791	0.66667	3
TBC1D8B	890	1	112.3791	0.66667	3
SHMT2	1779	2	151.12002	0	3
TYMS	7104.6667	5	184.26944	0.16667	4
SLC2A5	0	1	5	1	5
SLCO4C1	0	1	5	1	5
TIAM2	0	1	173.55278	0	1
STK10	0	1	5	1	5

SCLT1	0	1	214.29127	1	5
TK1	0	1	182.93611	1	2
ZFH3	0	1	152.15296	0	1
TCEB3C	0	1	219.61627	1	2
ZWILCH	0	1	222.94127	1	16
TNIK	0	1	147.67359	0	1
VEGFA	0	1	153.15296	1	2
SDS	0.66667	1	128.29603	0	2
TRIM48	0	1	1	0	1
VCAM1	0	1	1	0	1
TRAPPC9	0	1	3.16667	1	2
STEAP3	0	1	183.39921	0	1
TULP4	0	1	209.02579	1	2
SND1	0	1	130.17817	1	2
TNC	0	1	132.01151	1	5
VLDLR	10632	7	180.66349	0	2
SERPINA4	0	1	1	0	1
SEPP1	0	1	1	0	1
SDSL	0.66667	1	128.29603	0	2
SHMT1	1779	2	151.12002	0	3
MAF	0	1	147.00693	1	2
ETS2	0	1	180.01944	1	2
XRCC4	0	1	178.91825	1	2
USP47	0	1	177.46706	0	1
SREBF2	14	6	4	0	3
SQLE	0	1	2.66667	0	1
SH3D19	0	1	99.35778	1	2
TOPBP1	170.72476	1	191.86825	0.33333	3
VAV2	0	1	1	0	1
VAV3	0	1	1	0	1
XRCC3	0	1	1	0	1
SPIDR	0	1	1	0	1
SC5D	0	1	2.66667	0	1
SORBS1	0	1	1	0	1
SORBS3	0	1	1	0	1
PRPF6	3401.6311	8	324.7881	0.7328	71
SNRNP40	3401.6311	16	324.7881	0.7328	71
NDUFA6	0	1	24	1	24
NDUFB3	0	1	24	1	24



RPS6	4122.335	13	252.88611	0.65722	39
RPS11	25.92046	1	210.65397	0.93915	28
POLR2H	10053.959	89	339.25595	0.47691	59
POLR2L	10053.959	1	339.25595	0.47691	59
RPS25	6.06253	1	210.15397	0.9886	27
RPS4X	6.06253	1	210.15397	0.9886	27
RPS18	6.06253	1	210.15397	0.9886	27
RPS9	3309.8378	4	252.38611	0.68137	38
POLR2B	9106.1692	1	337.25595	0.52323	55
POLR2G	9106.1692	1	337.25595	0.52323	55
POLR2F	10053.959	1	339.25595	0.47691	59
POLR2K	10053.959	1	339.25595	0.47691	59
RPS14	3309.8378	4	252.38611	0.68137	38
RPS2	3309.8378	3	252.38611	0.68137	38
POLR2A	28465.176	46	343.43929	0.46464	59
RPS8	25.92046	1	210.65397	0.93915	28
DIS3	275.03662	4	259.46825	0.94505	14
SKIV2L2	35206.24	44	311.35238	0.48566	47
EXOSC2	1140.5019	2	263.71825	0.86667	21
EXOSC1	1140.5019	1	263.71825	0.86667	21
GNB1	55157.882	107	339.27778	0.17782	78
GNG11	12248.669	1	306.53254	0.37179	52
POLR2J	9106.1692	1	337.25595	0.52323	55
EFTUD2	4291.6311	3	325.2881	0.71283	72
SART1	2416.56	4	316.20476	0.76141	64
RPS15	6.06253	1	210.15397	0.9886	27
RPS17	6.06253	1	210.15397	0.9886	27
RPS5	25.92046	1	210.65397	0.93915	28
RPS26	6.06253	1	210.15397	0.9886	27
RPS12	6.06253	1	210.15397	0.9886	27
EXOSC7	1140.5019	1	263.71825	0.86667	21
EXOSC5	1140.5019	1	263.71825	0.86667	21
GTF2H5	98.46052	3	264.49325	0.90119	23
ERCC3	98.46052	1	264.49325	0.90119	23
RPS13	25.92046	1	210.65397	0.93915	28
EXOSC8	1140.5019	2	263.71825	0.86667	21
DIS3L	0	1	234.95278	1	12
EXOSC4	1140.5019	1	263.71825	0.86667	21
PRPF31	18013.822	36	322.80476	0.62897	71

RPS19	6.06253	1	210.15397	0.9886	27
NDUFS6	0	1	24	1	24
CDC20	6211.6515	9	265.29921	0.63678	30
BUB1B	4692.3752	41	279.79762	0.71429	8
RPS16	25.92046	1	210.65397	0.93915	28
SNRNP200	3401.6311	6	324.7881	0.7328	71
RPS29	6.06253	1	210.15397	0.9886	27
RPL7	3415.922	1	251.11944	0.63213	37
PRPF8	4291.6311	1	325.2881	0.71283	72
POLR2E	10053.959	2	339.25595	0.47691	59
NDUFS5	0	1	24	1	24
GTF2H3	98.46052	1	264.49325	0.90119	23
GNG2	22286.756	1	325.95635	0.29866	59
RPS21	25.92046	1	210.65397	0.93915	28
NDUFS1	0	1	24	1	24
GTF2H2	98.46052	1	264.49325	0.90119	23
MNAT1	5501.0584	5	277.40516	0.62698	28
CWC15	3401.6311	1	324.7881	0.7328	71
BCAS2	3401.6311	1	324.7881	0.7328	71
RPS10	6.06253	1	210.15397	0.9886	27
EXOSC9	1140.5019	1	263.71825	0.86667	21
EXOSC3	1140.5019	1	263.71825	0.86667	21
NDUFA3	0	1	24	1	24
ERCC2	98.46052	1	264.49325	0.90119	23
RPS7	4725.727	2	253.38611	0.62564	40
CASP8	13073.934	21	275.01587	0.31429	15
CASP3	14509.837	10	274.57421	0.14103	13
CDC5L	273366.29	581	388.62381	0.27304	119
NDUFS4	0	1	24	1	24
NDUFB4	0	1	24	1	24
EXOSC6	1140.5019	1	263.71825	0.86667	21
EXOSC10	8244.8914	1	278.45952	0.82857	21
NDUFA10	0	1	24	1	24
POLR2C	9106.1692	3	337.25595	0.52323	55
MAD2L1	167.2817	1	243.83254	0.85714	7
MT-ND3	0	1	24	1	24
NDUFV2	0	1	24	1	24
RPS28	25.92046	1	210.65397	0.93915	28
APH1A	1666.6523	7	237.24722	0.71429	7

PSEN1	10626.117	5	260.2377	0.28788	12
GTF2H1	98.46052	1	264.49325	0.90119	23
RPS20	6.06253	1	210.15397	0.9886	27
CASP6	12794.674	8	244.31905	0.26667	6
APH1B	1666.6523	1	237.24722	0.71429	7
NDUFS2	0	1	24	1	24
CDKN1A	22417.007	19	285.55754	0.17143	15
CDK4	7876.8772	13	256.93254	0.31373	18
MT-ND5	0	1	24	1	24
NDUFS3	0	1	24	1	24
MT-ND4	0	1	24	1	24
NDUFA7	0	1	24	1	24
BUB3	4692.3752	1	279.79762	0.71429	8
PSENE1	1666.6523	1	237.24722	0.71429	7
PLRG1	3401.6311	1	324.7881	0.7328	71
NDUFA1	0	1	24	1	24
NDUFAB1	0	1	24	1	24
SNRNPB	4406.5743	2	325.2881	0.7144	72
SNRPD1	3401.6311	6	324.7881	0.7328	71
CCND3	2104.8406	3	232.12262	0.42857	7
CTNNA1	42872.44	45	320.06825	0.1336	39
CTNNA1	40684.216	88	312.8131	0.25146	19
NDUFS7	0	1	24	1	24
ANAPC10	14726.197	32	284.30754	0.58925	31
MT-ND1	0	1	24	1	24
NDUFA8	0	1	24	1	24
CASP7	576.38241	1	248.34444	0.52381	7
PRPF19	9078.3549	27	332.2381	0.60679	81
HSPA8	64674.424	62	334.1131	0.41721	47
GNAI1	13051.212	5	303.78413	0.42195	41
GTF2H4	98.46052	1	264.49325	0.90119	23
FAS	19267.942	36	295.16905	0.39394	12
NFYA	0	1	2	1	2
NFYB	0	1	2	1	2
NDUFB2	0	1	24	1	24
TXNL4A	3401.6311	4	324.7881	0.7328	71
FADD	1813.8734	1	266.51706	0.4697	12
IKBKG	4576.4484	5	255.88611	0.32967	14
IKKKB	4068.075	2	254.45873	0.32967	14

NDUFA13	0	1	24	1	24
MT-ND2	0	1	24	1	24
NDUFB6	0	1	24	1	24
CDH1	6202.4478	8	288.92778	0.18577	23
RIPK1	5780.2738	3	261.01944	0.32967	14
CD2BP2	28.25749	1	297.65476	0.99015	29
IGF1	30928.175	16	303.16111	0.22462	26
IGFBP4	326.14796	2	260.91032	0.84795	19
SLU7	0	1	295.40476	1	27
RPS27L	6.06253	1	210.15397	0.9886	27
EMC1	0	1	1	0	1
EMC3	0	1	1	0	1
NOP56	13570.272	2	265.74087	0.5695	39
ADRM1	0	1	221.71349	1	2
PSMC4	20495.57	20	304.07024	0.30833	16
MCL1	3560	3	186.69885	0.33333	3
BAX	0	1	186.03218	1	2
MRPS6	0	1	4	1	4
MRPL27	0	1	4	1	4
MRPL49	0	1	4	1	4
CCT4	46768.612	96	307.93571	0.16667	9
EDC3	0	1	1	0	1
DCP1B	0	1	1	0	1
MRPS11	0	1	4	1	4
CASP9	5.33333	1	219.37262	0.83333	4
NFKBIA	4823.0171	2	262.42897	0.25455	11
IGFBP1	326.14796	1	260.91032	0.84795	19
ITGAX	766.51344	1	222.19091	0.60714	8
ITGB2	11394.24	18	252.23889	0.21579	20
CCL5	0.40681	1	272.07222	0.99667	25
CCR5	5140.1457	1	289.52937	0.92	26
CCNE2	761.35269	2	253.53968	0.4	6
BCL2L11	7404.4225	5	238.99841	0.1	5
SHC1	38001.083	61	315.21825	0.13978	31
EGFR	23803.466	14	310.46825	0.21645	22
LEF1	412.12354	1	262.84087	0.80556	9
JUN	65785.222	36	328.07063	0.20735	50
ATF2	11530.349	8	286.25635	0.34762	21
DNMT3L	0	1	224.05794	1	7

DNMT3A	13560.796	8	230.79603	0.6	11
PLAU	10811.245	5	244.03294	0.33333	13
SERPINE1	12290.746	9	257.91508	0.45455	12
PLAT	1864.2857	2	206.91075	0.16667	4
FOS	8116.7815	2	284.01032	0.26087	24
JUNB	15.97989	1	234.12103	0.53333	6
IL1R2	0	1	187.87623	1	2
IL1B	852.9228	2	217.32103	0.2	5
EREG	119.96158	1	264.78849	0.73333	6
KLRC1	0	1	192.2417	1	3
HLA-E	10341.286	13	254.01746	0.35328	27
FOSL2	0	1	231.6377	1	3
KLRD1	146.69658	1	218.16984	0.83333	4
NCF2	1808.9294	2	228.60238	0	3
NCF1	0	1	179.36194	0	1
IL6	14584.718	13	292.48413	0.51449	24
IL6R	346.52437	1	246.31151	0.5	4
FASLG	1073.8969	1	258.46706	0.45455	11
GCLM	0	1	1	0	1
GCLC	0	1	1	0	1
RGS12	0	1	217.25162	0	1
HIST1H3G	3552	5	223.73175	0.47619	7
HIST1H4D	0	1	176.4425	1	3
HIST1H3F	3552	1	223.73175	0.47619	7
BAZ1A	0	1	256.2119	0	1
RGS1	4.90019	1	240.97341	0.66667	4
GPSM1	0	1	270.63889	1	24
DDX21	944.27968	1	279.97143	0.91026	13
DKC1	3632.1956	1	254.99683	0.33333	3
CALCR	0	1	242.71984	1	13
MRPL18	0	1	4	1	4
CDKN1C	89.72886	1	234.22262	0.73333	6
HSPA2	1882.3897	1	268.58373	0.42857	15
AKR1C2	0	1	142.89204	0	1
AKR1C3	8292.1859	6	177.09491	0.2381	15
RAB31	0	1	144.54852	1	4
RABGGTA	7104	5	172.57067	0.6	5
MTMR8	0	1	1	0	1
MTMR9	0	1	1	0	1

CDK9	2873.0251	1	298.425	0.80087	22
RBBP5	10466.175	5	314.04881	0.67806	27
HSPA12A	834.473	1	271.05714	0.75	8
PFKP	0	1	256.2119	0	1
BCLAF1	0	1	256.2119	0	1
HSP90AA1	59086.25	83	330.77976	0.10672	23
EPS8L2	0	1	256.2119	0	1
DEPDC7	4058.3361	6	262.39167	0	2
PDLIM7	1507.1577	4	265.11786	0.33333	3
EHD1	0	1	256.2119	0	1
PHLDA3	0	1	256.2119	0	1
HSPB1	1304.616	1	289.50357	0.26667	6
CDKN2B	0	1	217.39762	1	4
MVP	0	1	256.2119	0	1
EPPK1	0	1	256.2119	0	1
DFNA5	0	1	256.2119	0	1
HSPA1A	456.22473	1	257.06944	0.55556	10
DSP	10067.363	14	268.15476	0.2	5
HSPA1B	164.72154	1	254.68611	0.82143	8
RCL1	3039.5418	1	251.38611	0.66825	36
PSME1	3299.7406	1	271.94325	0.33333	15
BATF3	0	1	231.1377	1	2
DDA1	0	1	228.27778	1	2
DDB2	1845.845	2	239.09444	0.58974	13
APP	49536.431	39	310.52698	0.25154	68
APBA1	8878	6	220.25123	0.16667	4
FDXR	0	1	1	0	1
FDX1L	0	1	1	0	1
RGS10	0	1	217.25162	0	1
HIST1H2BJ	14745.397	28	308.06349	0.34505	47
HIST1H2AE	0	1	222.06508	1	4
NFKBIB	1971.6295	2	239.30635	0.42857	7
AAR2	0	1	226.70198	1	2
FOSL1	0	1	231.6377	1	3
ASB2	74.14289	3	232.49841	0.94	25
DCUN1D3	0	1	208.69563	1	16
BAG2	0	1	241.00278	1	6
OPTN	2860.0699	3	247.32778	0.4	5
MAP1LC3B	37.14974	1	198.84325	0.66667	3

ATF3	0	1	231.87103	1	2
SQSTM1	923.62593	1	216.77698	0.33333	7
IGF2	8387.3536	6	285.16944	0.32164	19
IGFBP2	0	1	220.29841	1	2
RSL1D1	0	1	197.4873	1	2
RAD51D	0	1	182.77226	0	1
RAD51C	2760.2276	2	236.68056	0.46667	10
BRF2	0	1	239.28611	1	6
BBC3	1782	2	153.54293	0	2
FOSB	63.07817	1	252.24841	0.80556	9
FKBP6	482.45445	1	256.10992	0.78571	8
ATP1A2	0	1	182.45758	1	2
FXYD2	3560	3	234.05437	0.46667	6
NEURL1B	0	1	165.20166	1	2
DLL1	439.31774	2	187.47226	0.7	5
HIST2H2BE	7234.3974	1	304.98016	0.4216	42
HIST2H2BF	0	1	226.54841	1	7
MAPK13	142.55072	1	230.76151	0	2
KCNJ3	0	1	234.43651	1	2
HIST1H2BO	7674.3974	1	305.48016	0.40532	43
HIST1H2BK	14745.397	1	308.06349	0.34505	47
SERPINE2	1117.4727	2	205.23535	0.3	5
BAG3	0	1	241.00278	1	6
NRXN1	1779	3	174.44968	0.5	4
NLGN3	0	1	144.33854	1	2
IL1A	3324.5603	3	234.70437	0.3	5
NOTCH2	5085.9097	4	206.9425	0.27778	9
DPYSL3	0	1	1	0	1
DPYSL4	0	1	1	0	1
RGS20	0	1	217.25162	0	1
MYO6	6249.7644	6	252.90159	0.17857	8
CLTB	5853.8752	7	271.09325	0.28205	13
EPHA2	557.62219	1	262.12302	0.26667	6
INPP5D	5599.7383	4	243.70198	0.37778	10
SKIL	168.51557	1	223.51746	0	2
SMURF2	7295.907	7	262.89921	0.6046	30
CSF2RA	2001.6505	1	246.31151	0.2	6
EZR	1552.4819	1	267.30873	0.38095	7
NRXN3	1779	1	174.44968	0.5	4

GNAI3	4796.781	6	283.42421	0.30769	13
ARHGEF7	2164.0016	6	235.91151	0.28571	7
CDH24	0	1	245.89325	1	6
ESR1	43028.27	11	323.81825	0.32222	36
POU4F1	0	1	229.67579	0	1
PIDD1	0	1	197.49921	0	1
ITM2B	0	1	217.75123	0	1
HSPA4L	0.33333	1	241.50278	0.95238	7
CXCR4	7002.2128	2	292.13056	0.66667	31
ATP2A2	0	1	164.70166	0	1
CDH7	0	1	245.89325	1	6
NR0B2	424.37118	1	236.34246	0.33333	3
CDH10	0	1	245.89325	1	6
ASF1A	1782	2	176.60916	0.33333	3
CUL5	6309.5636	3	262.94444	0.86769	26
PELO	0	1	192.83571	1	9
STAT1	22697.848	14	284.89603	0.04333	25
ITCH	8357.7671	2	277.03254	0.64286	29
IRS2	272.00928	1	243.50198	0.55556	9
IRS1	253.6373	1	244.25198	0.52778	9
SERPINB2	0	1	187.7675	1	2
SGCZ	0	1	135.99327	0	1
SGCB	1782	2	161.99293	0	2
C1S	134.55215	1	194.14408	0	2
SERPING1	3474.65	3	253.01508	0.62222	10
IRF9	1768.6828	3	251.90317	0.58095	21
IFNAR2	0	1	214.28377	1	2
HIST2H2AA3	0	1	220.48175	1	2
KRT15	0	1	156.94138	1	5
KRT1	0	1	156.94138	1	5
KCNJ2	0	1	234.43651	1	2
ATP1B2	0	1	182.45758	1	2
CDH6	0	1	245.89325	1	6
HGS	2384.6106	1	288.63968	0.47273	11
MBL2	0	1	165.18063	1	2
FCN2	0	1	165.18063	1	2
NFE2L2	0	1	233.05437	1	4
CXCL8	19909.259	15	289.00556	0.54603	36
CD4	2631.7785	1	290.6623	0.43956	14



TRIM40	0	1	197.96944	1	2
ITGB7	6860.6317	15	259.52659	0.5	9
LRAT	4551.8116	4	162.86714	0	4
RBP1	5871.4808	5	192.07226	0	2
KLRC2	146.69658	1	218.16984	0.83333	4
ICAM1	1948.5488	1	235.51389	0.65152	12
IL4R	357.57206	1	236.88056	0.6	5
HRAS	27268.99	18	306.64563	0.10805	30
LGALS1	940.31413	1	263.12222	0.88889	18
IGFBP3	961.90584	1	265.50913	0.70952	21
MMP1	35.33178	1	229.11508	0.53333	6
KRT18	8870	6	191.02623	0.66667	6
GSN	1975.3066	2	238.40238	0	3
F2R	3525.9786	3	265.30556	0.69006	19
PROCR	2153.3221	2	206.29329	0	3
MMP3	3479.1507	6	270.36111	0.29091	11
DCN	1962.8258	2	214.33175	0.16667	4
KLK3	1879.4403	1	247.73294	0.5	9
SPP1	2153.1375	2	267.80556	0.60606	22
RUNX3	6708.6615	2	272.45754	0.17778	10
MDM2	1942.797	2	209.94127	0.16667	4
CAMP	473.05017	3	221.98615	0.78571	8
PRTN3	2853.0494	3	215.44603	0.44444	9
SMAD9	1596.4161	4	198.71746	0	2
MC4R	1782	2	243.21984	0.85714	14
AGRP	0	1	186.14885	0	1
MMP7	2482.6722	1	259.21468	0.33333	9
CYP3A7	121.10064	2	168.2211	0.7619	7
CYP3A5	507.23856	2	170.95444	0.6	11
F2RL2	3713.0809	1	283.91468	0.67251	19
CD8B	816.57762	5	256.97937	0.5	5
CD3D	8869.6893	6	305.02778	0.3619	15
BTK	10138.131	3	281.54444	0.17582	14
A2M	4101.0705	2	257.49365	0.42308	13
HBEGF	7078.2563	1	273.71111	0.5	9
MUC5AC	30	7	6	0	6
GALNT12	0	1	3.5	0	1
PDGFB	4791.0639	1	270.11865	0.38462	14
RAMP1	0	1	242.71984	1	13

GPC1	12294.112	8	245.42698	0	6
IL32	0	1	170.39567	0	1
CBR3	282.71728	1	168.97825	0.9	5
CBR1	465.30323	1	170.64491	0.61905	7
AREG	992.97148	2	229.06151	0.33333	3
BLVRB	1782	2	187.41194	0	2
HMOX1	4890.4196	4	242.33175	0.33333	7
ICAM4	0	1	190.59527	0	1
SATB1	0	1	187.69289	0	1
CXCR5	0.40681	1	272.07222	0.99667	25
BCAR1	4437.1244	2	296.51111	0.1619	15
GADD45A	1782	2	194.87738	0	2
GADD45B	0	1	158.19964	0	1
ISG15	2273.9093	3	252.44603	0.63399	18
POLH	56.22281	1	200.18139	0	2
KCNH5	0	1	2.5	0	1
KCNAB3	12	5	4	0	4
MXRA8	0	1	247.604	1	17
POU2F1	271.11298	1	282.58968	0.80952	22
CDK5RAP2	0	1	245.39444	1	3
PRKAR2B	2570.328	3	272.93373	0.25	8
FAM20A	0	1	247.604	1	17
RICTOR	0	1	1	0	1
DEPTOR	0	1	1	0	1
PPIL6	28.25749	1	297.65476	0.99015	29
ERCC1	90.97055	1	263.49325	0.94762	21
PDE6C	0	1	2	1	2
PDE6H	0	1	2	1	2
MPHOSPH8	0	1	176.4425	1	3
PPM1D	0	1	167.82305	0	1
IKBKE	0	1	212.90159	1	2
IRF7	8355.3705	10	279.45754	0.50593	23
FGF2	12987.061	11	273.04921	0.45714	15
KAL1	0	1	204.88413	1	2
EFNB1	2545.092	2	242.36151	0.14286	7
HIST1H1C	0	1	145.91277	0	1
DYNLL2	14705.675	13	256.51944	0.18182	12
BMF	0	1	195.125	0	1
ITGA2	230.88411	1	225.21984	0.60714	8

ITGB8	0	1	221.73651	1	6
ITGA11	0	1	221.73651	1	6
ITGA1	12339.062	10	262.16151	0.1462	19
ARHGEF3	0	1	190.22659	0	1
RHOC	9099.2148	5	247.24206	0.02222	10
KLHL42	74.14289	1	232.49841	0.94	25
NPM1	1782	2	223.14841	0.71429	7
RFFL	0	1	197.49921	0	1
ADM	0	1	242.71984	1	13
IGFBP7	4864.6284	1	275.77937	0.81287	19
IRF1	10940.36	4	287.17421	0.50593	23
CACNA2D4	0	1	183.74408	0	1
CACNA1D	1782	2	237.36984	0.6	5
ECT2	0	1	190.22659	0	1
HIST1H2BD	7674.3974	1	305.48016	0.40532	43
HIST1H2AD	5922.6464	1	303.14683	0.46694	39
SNAI1	149.45299	1	244.64127	0.33333	3
ADORA2B	341.84426	1	246.30317	0.85714	14
FBXW10	2068.4202	1	256.3754	0.87385	26
ARHGAP36	0	1	190.22659	0	1
GBP7	0	1	225.89127	1	8
RSAD2	0	1	227.23413	1	14
FBXL16	74.14289	1	232.49841	0.94	25
PLCB4	98.16655	1	256.77698	0.84559	17
ITPR3	2075.0588	2	250.19008	0.39286	8
PSMC3IP	0	1	226.08175	1	7
DMC1	0.92496	1	227.16508	0.96429	8
DMD	3560	3	200.68416	0.5	4
KLHL21	74.14289	1	232.49841	0.94	25
KLHL5	74.14289	1	232.49841	0.94	25
PPFIA2	0	1	172.61634	0	1
KIF3B	270.94978	1	202.17976	0.6	5
KIF3C	0	1	199.775	1	4
ASB11	74.14289	1	232.49841	0.94	25
ASB14	74.14289	1	232.49841	0.94	25
ASB5	74.14289	1	232.49841	0.94	25
CSTA	0	1	202.59524	1	2
CXCL10	0.40681	1	272.07222	0.99667	25
KRT19	0	1	156.94138	1	5

CCL20	0.40681	1	272.07222	0.99667	25
KRT37	0	1	156.94138	1	5
GNS	22383.969	28	253.04683	0.71429	7
GLA	12490.607	13	217.3377	0.35556	10
RASA3	0	1	221.5131	1	2
GPR45	0	1	242.71984	1	13
DUSP1	1782	2	237.46349	0.33333	3
HCAR3	0.40681	1	272.07222	0.99667	25
PTGFR	0	1	254.27698	1	15
RBBP6	0	1	231.49841	1	23
GBP2	31.55889	1	230.65794	0.86667	16
ARHGEF5	375.74178	1	240.71508	0.66667	3
KCNQ1	0	1	2.5	0	1
KCNF1	0	1	2.5	0	1
MCHR2	491.36176	1	278.23889	0.63492	36
OPN3	0	1	234.93651	1	3
GALR2	0.40681	1	272.07222	0.99667	25
PTGER2	0	1	242.71984	1	13
GNRHR	0	1	254.27698	1	15
KCNG1	0	1	2.5	0	1
PC	3494.8124	3	184.13615	0	3
ME1	5158.011	4	232.40437	0.33333	3
FMO1	0	1	142.7468	1	2
CYP3A4	5727.9869	3	176.51158	0.33088	17
GBP3	0	1	225.89127	1	8
GPR176	0	1	242.71984	1	13
CCR9	0.40681	1	272.07222	0.99667	25
PTH2R	0	1	242.71984	1	13
GRIN2B	261.60577	1	223.07976	0.66667	3
DTX4	680.11621	1	221.67103	0.6	5
ADCY7	4834.4918	1	288.95437	0.55873	36
HES1	1384.3957	1	228.6377	0	3
RNF40	0	1	221.48175	1	4
SLC2A8	0	1	265.72659	1	7
BIN1	0	1	265.72659	1	7
ARAP3	0	1	190.22659	0	1
FZD5	4521.982	3	266.77222	0.14286	8
IFIT3	0	1	227.23413	1	14
ARIH1	0	1	218.45162	1	4

LAMA3	874.25203	1	219.71746	0.2381	7
GRIA3	122.44132	1	203.89365	0.33333	4
NEFL	261.60577	1	223.07976	0.66667	3
RASAL1	0	1	221.5131	1	2
EPHX1	646.1608	2	170.97825	0.52778	9
CYP2B6	14106.689	17	202.40877	0.44872	13
HUWE1	0	1	231.49841	1	23
IRF5	4992.3582	5	276.12421	0.60476	21
CYP1A1	2823.0913	2	176.61039	0.36667	16
GDNF	2475.5647	1	267.2373	0.27273	11
GFRA4	727.46467	2	250.48849	0.53333	6
CYP1B1	526.05399	3	168.85325	0.4	6
CYP2E1	24231.579	16	208.68258	0.24265	17
CYP2S1	4.18333	1	146.74164	0.80952	7
PAQR5	0	1	243.83175	1	3
F11	30.63709	1	170.28539	0.33333	3
SERPINB8	0	1	187.7675	1	2
MX1	481.9739	1	241.28056	0.80833	16
F10	316.59026	1	193.05242	0.33333	3
F12	623.375	1	199.46313	0	3
GABARAPL1	37.14974	1	198.84325	0.66667	3
CYP1A2	1515.305	1	174.11039	0.49091	11
PAX6	1782	2	256.16944	0.88889	18
PDX1	0	1	193.61508	0	1
MX2	481.9739	1	241.28056	0.80833	16
HEXB	3562	3	212.79008	0.53571	8
CYP2D6	11.34767	1	145.57498	0.7	5
GRPEL2	0	1	1	0	1
HSCB	0	1	1	0	1
HIC1	0	1	185.69008	0	1
FBXO30	74.14289	1	232.49841	0.94	25
MYLIP	0	1	231.49841	1	23
EGR2	8.13308	1	268.68135	0.99415	19
LRG1	0	1	221.06948	1	7
CFP	3872.8284	3	224.30281	0.51111	10
NOS2	8910.9384	6	237.3877	0.2381	7
PDIA6	0	1	247.604	1	17
CP	1867.0762	2	249.354	0.80117	19
GAD1	18584.366	13	249.02897	0	6

ALDH1A3	3535.2831	6	201.05317	0	2
MYO1C	235.78	1	199.66746	0.33333	3
ARL8A	0	1	199.89607	1	4
CYP19A1	51.69921	1	148.5345	0.73333	6
HSD17B2	60.26715	1	146.57498	0.53333	6
PHF1	0	1	224.05794	1	7
CAPN2	294.81511	1	229.15202	0	2
ALDH3A1	3535.2831	1	201.05317	0	2
ALDH3A2	0	1	164.20444	0	1
BCL6	0	1	233.28056	1	3
ARG2	0	1	183.70519	0	1
FBXO2	74.14289	1	232.49841	0.94	25
FGF9	575.07084	2	231.64841	0.5	4
COL4A2	4340.6094	3	227.64643	0.09524	7
NEURL2	0	1	208.69563	1	16
CXCL1	10099.379	11	278.82579	0.64919	32
CYP11B2	3568.1638	3	145.39204	0.3	5
HSD11B2	0	1	123.13296	1	2
FZD7	0	1	216.89127	1	2
CYP21A2	0	1	123.13296	1	2
SYT10	0	1	144.33854	1	2
NKX3-2	0	1	208.38377	0	1
DSC3	1	1	203.09524	0.66667	3
RPS6KA1	0	1	197.96944	1	2
HOXB2	0	1	256.00278	1	18
KIF5A	0	1	199.775	1	4
IL18	0	1	187.87623	1	2
CCL1	0.40681	1	272.07222	0.99667	25
CYR61	1916.253	1	253.23734	0.88889	18
GPR183	0.40681	1	272.07222	0.99667	25
PDYN	0.40681	1	272.07222	0.99667	25
SMG8	0	1	201.00238	1	25
GPR18	0.40681	1	272.07222	0.99667	25
MGST1	815.09009	1	206.7171	0.6	5
IFI27	0	1	227.23413	1	14
MLN	0	1	254.27698	1	15
IL22RA1	0	1	208.38377	0	1
FBXL5	2068.4202	1	256.3754	0.87385	26
CLOCK	5334	4	195.91075	0	2

NAMPT	3560	3	159.65245	0	2
FCAR	6	1	207.35797	0.85714	8
CEACAM1	6	1	207.35797	0.85714	8
IFITM2	0	1	227.23413	1	14
HOXC4	0	1	255.50278	1	17
CCR7	0.40681	1	272.07222	0.99667	25
GLIPR1	0	1	199.89607	1	4
HK1	1782	2	134.69773	0	2
FBP2	0	1	116.53367	0	1
HEBP1	0.40681	1	272.07222	0.99667	25
GOLM1	0	1	247.604	1	17
FBXO22	74.14289	1	232.49841	0.94	25
LYPD6B	0	1	3	1	3
LY6D	0	1	3	1	3
DEGS1	0	1	206.35797	1	6
RRAS	0	1	187.02702	0	1
OAS2	39.82154	1	231.65794	0.77124	18
FECH	0	1	206.15758	1	2
RNF19B	0	1	231.49841	1	23
CNTN5	0	1	3	1	3
FBXL8	74.14289	1	232.49841	0.94	25
DHDH	33.54962	1	154.63618	0.33333	3
AMACR	0	1	184.87186	1	3
HMGCL	0	1	184.87186	1	3
POLD4	2397.4022	1	270.30754	0.78656	23
ADAMTS1	0	1	174.95126	1	2
LPXN	0	1	184.74289	0	1
ALOX15B	42386.866	38	246.3246	0.44444	9
APOL1	0	1	247.604	1	17
IFITM1	0	1	227.23413	1	14
FLRT3	0	1	204.88413	1	2
RAB38	0	1	144.54852	1	4
GPR68	0	1	254.27698	1	15
BAMBI	690.11575	1	173.88416	0.66667	3
NOG	5619.7093	5	214.09008	0.33333	3
LY96	2799.6485	2	236.57579	0.39286	8
S100A8	0	1	183.35718	0	1
P2RY6	0	1	254.27698	1	15
PLAC8	0	1	211.79008	1	6

GFPT2	3561	3	158.96273	0	3
F2RL1	0	1	254.27698	1	15
C5	10978.025	7	277.77222	0.79365	28
CNNM4	0	1	174.73377	0	1
PTP4A1	2342.9898	2	220.65437	0	3
AKR1B10	4023.6666	9	187.48019	0.38095	7
LIF	0	1	239.28413	1	4
GRP	0	1	254.27698	1	15
RNF213	0	1	231.49841	1	23
GTF3C4	0	1	237.95278	1	5
OR5H6	0	1	234.43651	1	2
REEP2	55	1	239.43651	0.16667	12
OR10G3	0	1	234.43651	1	2
CD36	5462.5577	4	207.54131	0.71429	7
PSG4	0	1	188.45718	0	1
GSTT2B	0	1	186.3171	0	1
GGH	16764.442	10	244.46984	0.24183	18
RAB3B	0	1	144.54852	1	4
PDIA2	0	1	229.67579	0	1
CYP2J2	2538.1932	1	199.07543	0.71429	7
CYP2U1	0	1	196.27543	1	5
KRT33A	0	1	156.94138	1	5
GFI1	0	1	179.26194	0	1
PTGS2	1634.3475	2	196.77543	0.66667	6
QSOX1	10426.734	1	272.94246	0.41505	31
EBI3	0	1	208.38377	0	1
CYTH3	0	1	237.90317	1	2
CLDN23	0	1	2	1	2
CLDN4	0	1	2	1	2
AOX1	1883.6876	2	167.31396	0.64286	8
AKR1B1	4023.6666	1	187.48019	0.38095	7
GCNT3	0	1	3.5	0	1
HLA-DOA	789.1922	1	212.35119	0.6	5
OR1S2	0	1	234.43651	1	2
GREM1	0	1	147.88539	1	2
RGMB	3097.6739	3	179.31869	0.2	5
TPH1	769.2074	1	159.40483	0.33333	4
PTPRE	0	1	213.38972	1	2
NMB	0	1	254.27698	1	15



AFP	0	1	247.604	1	17
GALNT11	0	1	3.5	0	1
TAF1C	96.664	1	256.83611	0.70526	20
LCN2	0	1	221.06948	1	7
CD59	7346.6188	5	238.72619	0.37879	12
PRSS23	0	1	247.604	1	17
OR2L2	0	1	234.43651	1	2
COL12A1	0	1	178.50162	1	2
FCER1A	7272.9325	3	256.25317	0.28571	7
OR52N5	0	1	234.43651	1	2
RAB15	0	1	144.54852	1	4
CLVS1	0	1	203.66905	0	1
OR4K13	0	1	234.43651	1	2
IFI30	0.75	1	226.89127	0.93333	10
CTLA4	0	1	221.73651	1	6
C4B	3737.5982	3	206.35242	0.16667	4
OTOA	0	1	3	1	3
PTP4A2	8870	6	212.75	0	2
CNGA3	0	1	2	1	2
CPT1A	0	1	231.3377	1	2
PERP	0	1	202.59524	1	2
OR5D18	0	1	234.43651	1	2
PCK1	402.85293	1	157.07666	0	2
IL4I1	7869.2874	4	161.90166	0.13333	6
ASPA	890	2	135.32025	0	2
QPCT	0	1	221.06948	1	7
NEU3	0	1	171.34012	0	1
SRGN	0	1	251.51508	1	8
ASPH	0	1	230.3877	0	1
MGST2	0	1	186.3171	0	1
NTPCR	1	1	3.5	0.66667	3
NME1	0	1	3	1	2
PMAIP1	0	1	130.23298	0	1
NPPB	0	1	210.77341	0	1
HPD	890	1	135.32025	0	2
OR11A1	0	1	234.43651	1	2
CA2	0	1	244.39325	1	3
PTS	27.707	1	156.13618	0.66667	4
NEU4	0	1	171.34012	0	1

FUCA1	0	1	211.79008	1	6
OR1J4	0	1	234.43651	1	2
IFNLR1	0	1	208.38377	0	1
GSTP1	0	1	186.3171	0	1
S100A10	0	1	165.00087	0	1
IDO1	2512.8985	2	152.98966	0.13333	6
GALNT18	0	1	3.5	0	1
CDC7	0	1	194.21071	0	1
DAO	1782	2	185.37186	0.5	4
MAT2A	10251.512	6	185.15242	0.33333	3
P4HA2	0	1	178.50162	1	2
ALAS1	0	1	151.65602	0	1
PLK2	0	1	175.1425	0	1
INPP4B	3562	3	188.66869	0	3
INPP1	0	1	154.03182	0	1
OR7A5	0	1	234.43651	1	2
GALNT7	0	1	3.5	0	1
RAP1GAP	0	1	202.10913	1	2
IL23A	69.70389	1	223.24722	0	2
MED18	4016.6092	3	168.16277	0	4
RBM14	0	1	139.58731	0	1
SAG	0	1	233.93651	0	1
LNPEP	0	1	191.2417	0	1
CEACAM6	0	1	199.89607	1	4
RARRES2	0	1	2	1	2
FAM3C	0	1	2	1	2
MYL12A	31.61486	1	201.53416	0.66667	3
RETSAT	0	1	136.15751	0	1
CLDN5	0	1	2	1	2
HES5	0	1	164.70166	0	1
MMP19	31.21688	1	197.86313	0	2
CYSTM1	0	1	205.85797	1	6
GLRX	0	1	2.5	0	1
RRM2B	7	2	4	0.33333	4
CGA	0	1	242.71984	1	13
CYFIP2	0	1	247.73611	1	2
AMPD3	0	1	1.5	0	1
HPRT1	2	3	2	0	2
ANGPTL4	0	1	139.58731	0	1

LGALS3	0	1	221.0131	0	1
NMI	184.63491	1	224.53492	0.33333	3
AXL	0	1	225.71389	0	1
CDC14B	0	1	180.62702	0	1
NADSYN1	0	1	116.70821	0	1
NUDT12	1782	2	135.09013	0	2
CD160	0	1	191.2417	0	1
GPX1	0	1	1.5	0	1
GSR	2	3	2	0	2
CDC37L1	0	1	2	1	2
GLS	2664	4	192.79524	0	2
GLS2	2664	1	192.79524	0	2
BHMT2	0	1	155.26833	1	2
AK1	0	1	3	1	2
ACP5	0	1	153.4088	0	1
CTHRC1	0	1	200.23734	0	1
PF4V1	0	1	164.92031	0	1
LRP10	0	1	188.45718	0	1
ISYNA1	0	1	154.03182	0	1
PNPO	0	1	137.85593	0	1
ADAMTS9	0	1	174.95126	1	2
OR8U1	0	1	234.43651	1	2
OTUB2	0	1	229.67579	0	1
NAGK	0	1	168.89964	0	1
PPP1R15A	0	1	147.38539	0	1
KYNU	0	1	127.55042	0	1
GDA	0	1	1.5	0	1
CES2	530.45671	1	148.10355	0	2
CSGALNACT2	0	1	170.7548	0	1
PPP1R15B	0	1	1	0	1
PPP4R4	0	1	1	0	1
APOBEC3C	0	1	1	0	1
APOBEC3B	0	1	1	0	1
RPE65	0	1	136.15751	0	1
MCCC1	0	1	151.11793	0	1
GOT1	1	1	117.14118	0	2
NAPG	0	1	193.05321	1	2
GALNT6	0	1	3.5	0	1
SESN2	0	1	159.13019	0	1

PRKAB1	1782	2	195.79167	0	2
FMOD	0	1	1	0	1
CHST6	0	1	1	0	1
MAP3K8	0	1	197.96944	1	2
A4GALT	0	1	168.89964	0	1
INO80B	0	1	184.42024	0	1
DUSP6	0	1	185.45754	0	1
APOO	0	1	1	0	1
MINOS1	0	1	1	0	1
GGPS1	0	1	2	1	2
ORAI2	0	1	190.97583	0	1
PLA2G16	0	1	158.91436	0	1
PLD2	1782	2	195.65877	0	2
MYO1A	0	1	194.90317	1	2
GSTM3	0	1	186.3171	0	1
HPGDS	5.65	1	163.84729	0	2
SCNN1A	0	1	1	0	1
SGK2	0	1	1	0	1
GPX2	0	1	1.5	0	1