

S6 Table. Outlier gene list identified by COPA

Lung cancer		Breast cancer	
Gene	Outlier types	Gene	Outlier types
<i>EPHA5</i>	1. Kinase, Predicted membrane proteins	ERBB2	1. Kinase, Predicted membrane proteins
<i>EPHA8</i>	1. Kinase, Predicted membrane proteins	MGC42105	1. Kinase, Predicted membrane proteins
<i>GUCY2C</i>	1. Kinase, Predicted membrane proteins	ROS1	1. Kinase, Predicted membrane proteins
<i>BRDT</i>	2. Kinase	VRK2	1. Kinase, Predicted membrane proteins
<i>CAMKV</i>	2. Kinase	BRDT	2. Kinase
<i>CDK4</i>	2. Kinase	CAMKV	2. Kinase
<i>CDKL4</i>	2. Kinase	CDK12	2. Kinase
<i>GRK1</i>	2. Kinase	CDK4	2. Kinase
<i>MAPK9</i>	2. Kinase	MOS	2. Kinase
<i>MOS</i>	2. Kinase	PAK1	2. Kinase
<i>MYT1</i>	2. Kinase	PDK3	2. Kinase
<i>ABCC12</i>	3. Predicted membrane proteins	PRKCG	2. Kinase
<i>ABCC2</i>	3. Predicted membrane proteins	RIOK1	2. Kinase
<i>ABCG5</i>	3. Predicted membrane proteins	RPS6KB1	2. Kinase
<i>ACCN1</i>	3. Predicted membrane proteins	STK38L	2. Kinase
<i>ADAM7</i>	3. Predicted membrane proteins	TLK2	2. Kinase
<i>ADCY10</i>	3. Predicted membrane proteins	YSK4	2. Kinase
<i>AGL</i>	3. Predicted membrane proteins	ABCA13	3. Predicted membrane proteins
<i>ALG9</i>	3. Predicted membrane proteins	ACCN1	3. Predicted membrane proteins
<i>ASB5</i>	3. Predicted membrane proteins	ADRA1D	3. Predicted membrane proteins
<i>ASGR2</i>	3. Predicted membrane proteins	AGPAT6	3. Predicted membrane proteins
<i>BEST3</i>	3. Predicted membrane proteins	ALG8	3. Predicted membrane proteins
<i>BSND</i>	3. Predicted membrane proteins	ANO7	3. Predicted membrane proteins
<i>BTNL8</i>	3. Predicted membrane proteins	ART4	3. Predicted membrane proteins
<i>C14orf68</i>	3. Predicted membrane proteins	ATP2B3	3. Predicted membrane proteins
<i>C19orf28</i>	3. Predicted membrane proteins	BSND	3. Predicted membrane proteins
<i>C20orf123</i>	3. Predicted membrane proteins	BTNL8	3. Predicted membrane proteins

<i>CA14</i>	3. Predicted membrane proteins	C17orf71	3. Predicted membrane proteins
<i>CABP7</i>	3. Predicted membrane proteins	C2orf82	3. Predicted membrane proteins
<i>CACNA1A</i>	3. Predicted membrane proteins	C2orf85	3. Predicted membrane proteins
<i>CACNA1B</i>	3. Predicted membrane proteins	C5orf60	3. Predicted membrane proteins
<i>CALY</i>	3. Predicted membrane proteins	CABP7	3. Predicted membrane proteins
<i>CCKBR</i>	3. Predicted membrane proteins	CALHM1	3. Predicted membrane proteins
<i>CDH12</i>	3. Predicted membrane proteins	CALHM3	3. Predicted membrane proteins
<i>CDH16</i>	3. Predicted membrane proteins	CCDC155	3. Predicted membrane proteins
<i>CDHR2</i>	3. Predicted membrane proteins	CCKAR	3. Predicted membrane proteins
<i>CDHR5</i>	3. Predicted membrane proteins	CCKBR	3. Predicted membrane proteins
<i>CHRNA9</i>	3. Predicted membrane proteins	CDH4	3. Predicted membrane proteins
<i>CHRNB2</i>	3. Predicted membrane proteins	CDH7	3. Predicted membrane proteins
<i>CLCA4</i>	3. Predicted membrane proteins	CDHR4	3. Predicted membrane proteins
<i>CLDN17</i>	3. Predicted membrane proteins	CDHR5	3. Predicted membrane proteins
<i>CLDN22</i>	3. Predicted membrane proteins	CDKAL1	3. Predicted membrane proteins
<i>CLEC2L</i>	3. Predicted membrane proteins	CHRNA9	3. Predicted membrane proteins
<i>CLRN3</i>	3. Predicted membrane proteins	CLDN10	3. Predicted membrane proteins
<i>CNGB3</i>	3. Predicted membrane proteins	CLDN22	3. Predicted membrane proteins
<i>COL25A1</i>	3. Predicted membrane proteins	CLEC2L	3. Predicted membrane proteins
<i>COX7A2L</i>	3. Predicted membrane proteins	CLEC6A	3. Predicted membrane proteins
<i>CREB3L3</i>	3. Predicted membrane proteins	CNTN6	3. Predicted membrane proteins
<i>CRHR1</i>	3. Predicted membrane proteins	COX11	3. Predicted membrane proteins
<i>CRHR2</i>	3. Predicted membrane proteins	CXorf59	3. Predicted membrane proteins
<i>CSMD3</i>	3. Predicted membrane proteins	CYP4A22	3. Predicted membrane proteins
<i>CTCFL</i>	3. Predicted membrane proteins	ERGIC3	3. Predicted membrane proteins
<i>CUZD1</i>	3. Predicted membrane proteins	FATE1	3. Predicted membrane proteins
<i>CYP3A4</i>	3. Predicted membrane proteins	FBXO18	3. Predicted membrane proteins

<i>CYP4F8</i>	3. Predicted membrane proteins	<i>FER1L6</i>	3. Predicted membrane proteins
<i>DSC1</i>	3. Predicted membrane proteins	<i>FUT5</i>	3. Predicted membrane proteins
<i>DSG3</i>	3. Predicted membrane proteins	<i>GABBR2</i>	3. Predicted membrane proteins
<i>FADS6</i>	3. Predicted membrane proteins	<i>GABRA5</i>	3. Predicted membrane proteins
<i>FAM163A</i>	3. Predicted membrane proteins	<i>GABRQ</i>	3. Predicted membrane proteins
<i>FAM75A6</i>	3. Predicted membrane proteins	<i>GALNT9</i>	3. Predicted membrane proteins
<i>FER1L6</i>	3. Predicted membrane proteins	<i>GCNT3</i>	3. Predicted membrane proteins
<i>FURIN</i>	3. Predicted membrane proteins	<i>GDAP1L1</i>	3. Predicted membrane proteins
<i>FXYD2</i>	3. Predicted membrane proteins	<i>GDPD2</i>	3. Predicted membrane proteins
<i>GABRA3</i>	3. Predicted membrane proteins	<i>GDPD4</i>	3. Predicted membrane proteins
<i>GABRR1</i>	3. Predicted membrane proteins	<i>GFRA3</i>	3. Predicted membrane proteins
<i>GABRR3</i>	3. Predicted membrane proteins	<i>GJB6</i>	3. Predicted membrane proteins
<i>GALNT8</i>	3. Predicted membrane proteins	<i>GPR142</i>	3. Predicted membrane proteins
<i>GALNTL5</i>	3. Predicted membrane proteins	<i>GPR150</i>	3. Predicted membrane proteins
<i>GALR2</i>	3. Predicted membrane proteins	<i>GPR22</i>	3. Predicted membrane proteins
<i>GCCR</i>	3. Predicted membrane proteins	<i>GPR25</i>	3. Predicted membrane proteins
<i>GDPD2</i>	3. Predicted membrane proteins	<i>GPR26</i>	3. Predicted membrane proteins
<i>GJA10</i>	3. Predicted membrane proteins	<i>GPR88</i>	3. Predicted membrane proteins
<i>GJA3</i>	3. Predicted membrane proteins	<i>GRIA1</i>	3. Predicted membrane proteins
<i>GPR12</i>	3. Predicted membrane proteins	<i>GRIN2C</i>	3. Predicted membrane proteins
<i>GPR139</i>	3. Predicted membrane proteins	<i>GRIN3B</i>	3. Predicted membrane proteins
<i>GPR144</i>	3. Predicted membrane proteins	<i>GSG1L</i>	3. Predicted membrane proteins
<i>GPR78</i>	3. Predicted membrane proteins	<i>HAVCR1</i>	3. Predicted membrane proteins
<i>GRIA4</i>	3. Predicted membrane proteins	<i>HEPHL1</i>	3. Predicted membrane proteins
<i>GRIK1</i>	3. Predicted membrane proteins	<i>HRH3</i>	3. Predicted membrane proteins
<i>GRIK5</i>	3. Predicted membrane proteins	<i>HRK</i>	3. Predicted membrane proteins
<i>GRIN2C</i>	3. Predicted membrane proteins	<i>HTR3A</i>	3. Predicted membrane proteins

<i>GRPR</i>	3. Predicted membrane proteins	<i>HTR6</i>	3. Predicted membrane proteins
<i>HEPACAM2</i>	3. Predicted membrane proteins	<i>IL19</i>	3. Predicted membrane proteins
<i>HEPHL1</i>	3. Predicted membrane proteins	<i>IL20RB</i>	3. Predicted membrane proteins
<i>HFE2</i>	3. Predicted membrane proteins	<i>KCNH6</i>	3. Predicted membrane proteins
<i>HHATL</i>	3. Predicted membrane proteins	<i>KCNH7</i>	3. Predicted membrane proteins
<i>HOXC11</i>	3. Predicted membrane proteins	<i>KCNJ1</i>	3. Predicted membrane proteins
<i>IGDCC3</i>	3. Predicted membrane proteins	<i>KCNJ6</i>	3. Predicted membrane proteins
<i>IMP5</i>	3. Predicted membrane proteins	<i>KCNJ9</i>	3. Predicted membrane proteins
<i>IQCF5</i>	3. Predicted membrane proteins	<i>KCNK10</i>	3. Predicted membrane proteins
<i>KCNB2</i>	3. Predicted membrane proteins	<i>KCNK9</i>	3. Predicted membrane proteins
<i>KCNC1</i>	3. Predicted membrane proteins	<i>KIAA1409</i>	3. Predicted membrane proteins
<i>KCNH6</i>	3. Predicted membrane proteins	<i>KIR2DL1</i>	3. Predicted membrane proteins
<i>KCNH7</i>	3. Predicted membrane proteins	<i>KIRREL2</i>	3. Predicted membrane proteins
<i>KCNK10</i>	3. Predicted membrane proteins	<i>KIRREL3</i>	3. Predicted membrane proteins
<i>KCNK18</i>	3. Predicted membrane proteins	<i>LASS3</i>	3. Predicted membrane proteins
<i>KCNK9</i>	3. Predicted membrane proteins	<i>LCT</i>	3. Predicted membrane proteins
<i>KCNN1</i>	3. Predicted membrane proteins	<i>LCTL</i>	3. Predicted membrane proteins
<i>KCNQ2</i>	3. Predicted membrane proteins	<i>LEMD1</i>	3. Predicted membrane proteins
<i>KCNT1</i>	3. Predicted membrane proteins	<i>LHFPL4</i>	3. Predicted membrane proteins
<i>KCNV1</i>	3. Predicted membrane proteins	<i>LMAN1L</i>	3. Predicted membrane proteins
<i>KIAA1409</i>	3. Predicted membrane proteins	<i>LOC100130933</i>	3. Predicted membrane proteins
<i>KIR2DL1</i>	3. Predicted membrane proteins	<i>LRRN4</i>	3. Predicted membrane proteins
<i>KIRREL3</i>	3. Predicted membrane proteins	<i>LYPD5</i>	3. Predicted membrane proteins
<i>LASS3</i>	3. Predicted membrane proteins	<i>MADCAM1</i>	3. Predicted membrane proteins
<i>LEMD3</i>	3. Predicted membrane proteins	<i>MC4R</i>	3. Predicted membrane proteins
<i>LHCGR</i>	3. Predicted membrane proteins	<i>MED24</i>	3. Predicted membrane proteins
<i>LINGO2</i>	3. Predicted membrane proteins	<i>MEGF11</i>	3. Predicted membrane proteins

<i>LOC153328</i>	3. Predicted membrane proteins	MLC1	3. Predicted membrane proteins
<i>LOC388946</i>	3. Predicted membrane proteins	MS4A5	3. Predicted membrane proteins
<i>LPCAT4</i>	3. Predicted membrane proteins	MSLN	3. Predicted membrane proteins
<i>LRRC66</i>	3. Predicted membrane proteins	MSLNL	3. Predicted membrane proteins
<i>LYZL2</i>	3. Predicted membrane proteins	MUC13	3. Predicted membrane proteins
<i>MC5R</i>	3. Predicted membrane proteins	MUC4	3. Predicted membrane proteins
<i>MDM1</i>	3. Predicted membrane proteins	NCR1	3. Predicted membrane proteins
<i>MFF</i>	3. Predicted membrane proteins	NDUFA4L2	3. Predicted membrane proteins
<i>MRGPRE</i>	3. Predicted membrane proteins	NDUFC2	3. Predicted membrane proteins
<i>MRGPRX1</i>	3. Predicted membrane proteins	NMBR	3. Predicted membrane proteins
<i>MS4A13</i>	3. Predicted membrane proteins	NMUR2	3. Predicted membrane proteins
<i>MS4A5</i>	3. Predicted membrane proteins	NPHS1	3. Predicted membrane proteins
<i>NKAIN2</i>	3. Predicted membrane proteins	NTSR1	3. Predicted membrane proteins
<i>NNAT</i>	3. Predicted membrane proteins	NUP107	3. Predicted membrane proteins
<i>NPBWR1</i>	3. Predicted membrane proteins	NUP210L	3. Predicted membrane proteins
<i>NPBWR2</i>	3. Predicted membrane proteins	OCA2	3. Predicted membrane proteins
<i>NPFFR2</i>	3. Predicted membrane proteins	OPRK1	3. Predicted membrane proteins
<i>NPSR1</i>	3. Predicted membrane proteins	OR10AG1	3. Predicted membrane proteins
<i>NPY5R</i>	3. Predicted membrane proteins	OR10C1	3. Predicted membrane proteins
<i>NRXN1</i>	3. Predicted membrane proteins	OR10J1	3. Predicted membrane proteins
<i>NTSR1</i>	3. Predicted membrane proteins	OR10T2	3. Predicted membrane proteins
<i>OR10A4</i>	3. Predicted membrane proteins	OR10X1	3. Predicted membrane proteins
<i>OR10A5</i>	3. Predicted membrane proteins	OR11H1	3. Predicted membrane proteins
<i>OR10G3</i>	3. Predicted membrane proteins	OR13C4	3. Predicted membrane proteins
<i>OR10G4</i>	3. Predicted membrane proteins	OR14J1	3. Predicted membrane proteins
<i>OR10G7</i>	3. Predicted membrane proteins	OR1A2	3. Predicted membrane proteins
<i>OR10G8</i>	3. Predicted membrane proteins	OR1J2	3. Predicted membrane proteins

<i>OR10J1</i>	3. Predicted membrane proteins	OR2G6	3. Predicted membrane proteins
<i>OR10J5</i>	3. Predicted membrane proteins	OR2M2	3. Predicted membrane proteins
<i>OR10S1</i>	3. Predicted membrane proteins	OR2M5	3. Predicted membrane proteins
<i>OR10W1</i>	3. Predicted membrane proteins	OR2T1	3. Predicted membrane proteins
<i>OR13F1</i>	3. Predicted membrane proteins	OR2T34	3. Predicted membrane proteins
<i>OR13H1</i>	3. Predicted membrane proteins	OR3A2	3. Predicted membrane proteins
<i>OR14A16</i>	3. Predicted membrane proteins	OR4B1	3. Predicted membrane proteins
<i>OR14C36</i>	3. Predicted membrane proteins	OR4C11	3. Predicted membrane proteins
<i>OR1A2</i>	3. Predicted membrane proteins	OR4C12	3. Predicted membrane proteins
<i>OR1D2</i>	3. Predicted membrane proteins	OR4K5	3. Predicted membrane proteins
<i>OR1G1</i>	3. Predicted membrane proteins	OR4S1	3. Predicted membrane proteins
<i>OR2AK2</i>	3. Predicted membrane proteins	OR4S2	3. Predicted membrane proteins
<i>OR2B2</i>	3. Predicted membrane proteins	OR4X1	3. Predicted membrane proteins
<i>OR2B3</i>	3. Predicted membrane proteins	OR51A4	3. Predicted membrane proteins
<i>OR2G6</i>	3. Predicted membrane proteins	OR51A7	3. Predicted membrane proteins
<i>OR2H1</i>	3. Predicted membrane proteins	OR51D1	3. Predicted membrane proteins
<i>OR2J2</i>	3. Predicted membrane proteins	OR51G1	3. Predicted membrane proteins
<i>OR2M3</i>	3. Predicted membrane proteins	OR51G2	3. Predicted membrane proteins
<i>OR2M4</i>	3. Predicted membrane proteins	OR51L1	3. Predicted membrane proteins
<i>OR2T2</i>	3. Predicted membrane proteins	OR52A1	3. Predicted membrane proteins
<i>OR2T5</i>	3. Predicted membrane proteins	OR56A1	3. Predicted membrane proteins
<i>OR2T6</i>	3. Predicted membrane proteins	OR5AR1	3. Predicted membrane proteins
<i>OR2V2</i>	3. Predicted membrane proteins	OR5M10	3. Predicted membrane proteins
<i>OR2W1</i>	3. Predicted membrane proteins	OR5T2	3. Predicted membrane proteins
<i>OR2Z1</i>	3. Predicted membrane proteins	OR5T3	3. Predicted membrane proteins
<i>OR3A3</i>	3. Predicted membrane proteins	OR5V1	3. Predicted membrane proteins
<i>OR4A16</i>	3. Predicted membrane proteins	OR6C3	3. Predicted membrane proteins

<i>OR4C3</i>	3. Predicted membrane proteins	OR6C6	3. Predicted membrane proteins
<i>OR4C6</i>	3. Predicted membrane proteins	OR6K2	3. Predicted membrane proteins
<i>OR4D10</i>	3. Predicted membrane proteins	OR6K6	3. Predicted membrane proteins
<i>OR4D2</i>	3. Predicted membrane proteins	OR6M1	3. Predicted membrane proteins
<i>OR4D5</i>	3. Predicted membrane proteins	OR7C1	3. Predicted membrane proteins
<i>OR4K17</i>	3. Predicted membrane proteins	OR7G2	3. Predicted membrane proteins
<i>OR4M2</i>	3. Predicted membrane proteins	OR8B12	3. Predicted membrane proteins
<i>OR4X2</i>	3. Predicted membrane proteins	OR8B3	3. Predicted membrane proteins
<i>OR51E2</i>	3. Predicted membrane proteins	OR8B4	3. Predicted membrane proteins
<i>OR51F2</i>	3. Predicted membrane proteins	OR8B8	3. Predicted membrane proteins
<i>OR51T1</i>	3. Predicted membrane proteins	OR8D2	3. Predicted membrane proteins
<i>OR52A1</i>	3. Predicted membrane proteins	OR8H1	3. Predicted membrane proteins
<i>OR52A5</i>	3. Predicted membrane proteins	OR8J1	3. Predicted membrane proteins
<i>OR52E2</i>	3. Predicted membrane proteins	OR8K3	3. Predicted membrane proteins
<i>OR52E4</i>	3. Predicted membrane proteins	OR8K5	3. Predicted membrane proteins
<i>OR52E6</i>	3. Predicted membrane proteins	OR8U1	3. Predicted membrane proteins
<i>OR52E8</i>	3. Predicted membrane proteins	OR9Q2	3. Predicted membrane proteins
<i>OR52N2</i>	3. Predicted membrane proteins	ORMDL3	3. Predicted membrane proteins
<i>OR52R1</i>	3. Predicted membrane proteins	P2RX2	3. Predicted membrane proteins
<i>OR56A1</i>	3. Predicted membrane proteins	P2RY4	3. Predicted membrane proteins
<i>OR56A4</i>	3. Predicted membrane proteins	PCDH10	3. Predicted membrane proteins
<i>OR56A5</i>	3. Predicted membrane proteins	PGAP3	3. Predicted membrane proteins
<i>OR56B4</i>	3. Predicted membrane proteins	PLD5	3. Predicted membrane proteins
<i>OR5A1</i>	3. Predicted membrane proteins	PNLDC1	3. Predicted membrane proteins
<i>OR5A2</i>	3. Predicted membrane proteins	PPFIA1	3. Predicted membrane proteins
<i>OR5AC2</i>	3. Predicted membrane proteins	PRKRIR	3. Predicted membrane proteins
<i>OR5ANI</i>	3. Predicted membrane proteins	PTPN1	3. Predicted membrane proteins

<i>OR5B3</i>	3. Predicted membrane proteins	PTRH2	3. Predicted membrane proteins
<i>OR5H1</i>	3. Predicted membrane proteins	RAET1L	3. Predicted membrane proteins
<i>OR5H2</i>	3. Predicted membrane proteins	RHO	3. Predicted membrane proteins
<i>OR5H6</i>	3. Predicted membrane proteins	RNF182	3. Predicted membrane proteins
<i>OR5M1</i>	3. Predicted membrane proteins	RNF222	3. Predicted membrane proteins
<i>OR5M11</i>	3. Predicted membrane proteins	RTBDN	3. Predicted membrane proteins
<i>OR5T2</i>	3. Predicted membrane proteins	RXFP4	3. Predicted membrane proteins
<i>OR5T3</i>	3. Predicted membrane proteins	SEMA4C	3. Predicted membrane proteins
<i>OR5V1</i>	3. Predicted membrane proteins	SLC10A4	3. Predicted membrane proteins
<i>OR6C3</i>	3. Predicted membrane proteins	SLC12A5	3. Predicted membrane proteins
<i>OR6C6</i>	3. Predicted membrane proteins	SLC13A4	3. Predicted membrane proteins
<i>OR6C75</i>	3. Predicted membrane proteins	SLC13A5	3. Predicted membrane proteins
<i>OR6M1</i>	3. Predicted membrane proteins	SLC1A6	3. Predicted membrane proteins
<i>OR6V1</i>	3. Predicted membrane proteins	SLC22A10	3. Predicted membrane proteins
<i>OR7D4</i>	3. Predicted membrane proteins	SLC22A16	3. Predicted membrane proteins
<i>OR7G2</i>	3. Predicted membrane proteins	SLC26A4	3. Predicted membrane proteins
<i>OR7G3</i>	3. Predicted membrane proteins	SLC30A3	3. Predicted membrane proteins
<i>OR8B12</i>	3. Predicted membrane proteins	SLC3A1	3. Predicted membrane proteins
<i>OR8B2</i>	3. Predicted membrane proteins	SLC4A10	3. Predicted membrane proteins
<i>OR8B3</i>	3. Predicted membrane proteins	SLC4A4	3. Predicted membrane proteins
<i>OR8B4</i>	3. Predicted membrane proteins	SLC5A12	3. Predicted membrane proteins
<i>OR8D2</i>	3. Predicted membrane proteins	SLC5A5	3. Predicted membrane proteins
<i>OR8K3</i>	3. Predicted membrane proteins	SLC5A8	3. Predicted membrane proteins
<i>OR9K2</i>	3. Predicted membrane proteins	SLC6A2	3. Predicted membrane proteins
<i>P2RY4</i>	3. Predicted membrane proteins	SLC6A3	3. Predicted membrane proteins
<i>PCDHGA8</i>	3. Predicted membrane proteins	SLC6A5	3. Predicted membrane proteins
<i>PEX2</i>	3. Predicted membrane proteins	STARD3	3. Predicted membrane proteins

<i>PLA2G2F</i>	3. Predicted membrane proteins	SYP	3. Predicted membrane proteins
<i>PNLDC1</i>	3. Predicted membrane proteins	SYT14	3. Predicted membrane proteins
<i>PRAP1</i>	3. Predicted membrane proteins	SYT5	3. Predicted membrane proteins
<i>PROKR1</i>	3. Predicted membrane proteins	TAAR6	3. Predicted membrane proteins
<i>PSG6</i>	3. Predicted membrane proteins	TAAR8	3. Predicted membrane proteins
<i>PSG9</i>	3. Predicted membrane proteins	TM2D2	3. Predicted membrane proteins
<i>PTH2R</i>	3. Predicted membrane proteins	TM4SF4	3. Predicted membrane proteins
<i>RHCG</i>	3. Predicted membrane proteins	TMC3	3. Predicted membrane proteins
<i>SCN3A</i>	3. Predicted membrane proteins	TMCC2	3. Predicted membrane proteins
<i>SDHD</i>	3. Predicted membrane proteins	TMEM132E	3. Predicted membrane proteins
<i>SELT</i>	3. Predicted membrane proteins	TMEM151A	3. Predicted membrane proteins
<i>SEZ6</i>	3. Predicted membrane proteins	TMEM190	3. Predicted membrane proteins
<i>SHISA9</i>	3. Predicted membrane proteins	TMEM207	3. Predicted membrane proteins
<i>SLC13A5</i>	3. Predicted membrane proteins	TMEM49	3. Predicted membrane proteins
<i>SLC14A2</i>	3. Predicted membrane proteins	TMPRSS7	3. Predicted membrane proteins
<i>SLC17A7</i>	3. Predicted membrane proteins	TPTE	3. Predicted membrane proteins
<i>SLC22A11</i>	3. Predicted membrane proteins	TPTE2	3. Predicted membrane proteins
<i>SLC30A2</i>	3. Predicted membrane proteins	TRPA1	3. Predicted membrane proteins
<i>SLC30A8</i>	3. Predicted membrane proteins	TRPM5	3. Predicted membrane proteins
<i>SLC35D3</i>	3. Predicted membrane proteins	TRPM8	3. Predicted membrane proteins
<i>SLC35E3</i>	3. Predicted membrane proteins	TRPV5	3. Predicted membrane proteins
<i>SLC38A11</i>	3. Predicted membrane proteins	TSPAN14	3. Predicted membrane proteins
<i>SLC39A2</i>	3. Predicted membrane proteins	UBA1	3. Predicted membrane proteins
<i>SLC39A5</i>	3. Predicted membrane proteins	UBA2	3. Predicted membrane proteins
<i>SLC3A1</i>	3. Predicted membrane proteins	UGT1A5	3. Predicted membrane proteins
<i>SLC5A7</i>	3. Predicted membrane proteins	UPK1A	3. Predicted membrane proteins
<i>SLC6A11</i>	3. Predicted membrane proteins	UPK2	3. Predicted membrane proteins

<i>SLC6A15</i>	3. Predicted membrane proteins	UTS2R	3. Predicted membrane proteins
<i>SLC7A3</i>	3. Predicted membrane proteins	VAPB	3. Predicted membrane proteins
<i>SLC7A9</i>	3. Predicted membrane proteins	ZACN	3. Predicted membrane proteins
<i>SLC9A3</i>	3. Predicted membrane proteins	ZDHHC19	3. Predicted membrane proteins
<i>SPACA1</i>	3. Predicted membrane proteins	ZDHHC22	3. Predicted membrane proteins
<i>SPATA3</i>	3. Predicted membrane proteins	ZP1	3. Predicted membrane proteins
<i>ST8SIA5</i>	3. Predicted membrane proteins	AATF	4. Others
<i>STARD3</i>	3. Predicted membrane proteins	ABI1	4. Others
<i>STIM2</i>	3. Predicted membrane proteins	ACMSD	4. Others
<i>SUN3</i>	3. Predicted membrane proteins	ACSBG1	4. Others
<i>SV2C</i>	3. Predicted membrane proteins	ACTL9	4. Others
<i>SYT14</i>	3. Predicted membrane proteins	ADH6	4. Others
<i>SYT6</i>	3. Predicted membrane proteins	AK2	4. Others
<i>TAAR8</i>	3. Predicted membrane proteins	ALOX12	4. Others
<i>TAAR9</i>	3. Predicted membrane proteins	AMY1A	4. Others
<i>TBC1D3G</i>	3. Predicted membrane proteins	AMY2A	4. Others
<i>TECRL</i>	3. Predicted membrane proteins	ANKFN1	4. Others
<i>TECTB</i>	3. Predicted membrane proteins	ANKRD34B	4. Others
<i>TMC2</i>	3. Predicted membrane proteins	ANKRD7	4. Others
<i>TMEM14C</i>	3. Predicted membrane proteins	ANXA7	4. Others
<i>TMEM195</i>	3. Predicted membrane proteins	AP3M2	4. Others
<i>TMEM202</i>	3. Predicted membrane proteins	APCS	4. Others
<i>TMEM229A</i>	3. Predicted membrane proteins	APOA1	4. Others
<i>TMEM72</i>	3. Predicted membrane proteins	APPBP2	4. Others
<i>TMPRSS11B</i>	3. Predicted membrane proteins	ARG1	4. Others
<i>TMPRSS11D</i>	3. Predicted membrane proteins	ARHGEF9	4. Others
<i>TPCN2</i>	3. Predicted membrane proteins	ARID3C	4. Others

<i>TPTE</i>	3. Predicted membrane proteins	ARL13A	4. Others
<i>TRPC7</i>	3. Predicted membrane proteins	ASCL4	4. Others
<i>TSN</i>	3. Predicted membrane proteins	ASH2L	4. Others
<i>TSPAN31</i>	3. Predicted membrane proteins	ATG5	4. Others
<i>TUSC5</i>	3. Predicted membrane proteins	ATOH1	4. Others
<i>UGT1A9</i>	3. Predicted membrane proteins	ATXN8OS	4. Others
<i>UNC5D</i>	3. Predicted membrane proteins	B3GNT7	4. Others
<i>UPK1A</i>	3. Predicted membrane proteins	BCHE	4. Others
<i>UPK2</i>	3. Predicted membrane proteins	BHLHE23	4. Others
<i>UTS2R</i>	3. Predicted membrane proteins	BRF2	4. Others
<i>ZACN</i>	3. Predicted membrane proteins	BSX	4. Others
<i>ZDHHC22</i>	3. Predicted membrane proteins	BTBD16	4. Others
<i>ZNRF4</i>	3. Predicted membrane proteins	C10orf53	4. Others
<i>ZP4</i>	3. Predicted membrane proteins	C10orf67	4. Others
<i>A2ML1</i>	4. Others	C11orf20	4. Others
<i>A4GNT</i>	4. Others	C11orf30	4. Others
<i>ACTN3</i>	4. Others	C11orf36	4. Others
<i>ADH4</i>	4. Others	C11orf67	4. Others
<i>ALB</i>	4. Others	C11orf88	4. Others
<i>ALOX12</i>	4. Others	C12orf11	4. Others
<i>ALX1</i>	4. Others	C12orf4	4. Others
<i>ANGPTL3</i>	4. Others	C12orf42	4. Others
<i>ANKRD33</i>	4. Others	C12orf60	4. Others
<i>ANKS4B</i>	4. Others	C12orf74	4. Others
<i>ANXA10</i>	4. Others	C13orf28	4. Others
<i>ANXA13</i>	4. Others	C13orf30	4. Others
<i>APCS</i>	4. Others	C14orf34	4. Others
<i>APOA1</i>	4. Others	C15orf50	4. Others
<i>APOBEC2</i>	4. Others	C16orf73	4. Others
<i>APOM</i>	4. Others	C16orf81	4. Others
<i>AQPEP</i>	4. Others	C17orf104	4. Others
<i>ARGFX</i>	4. Others	C17orf37	4. Others
<i>ARHGDIG</i>	4. Others	C17orf64	4. Others

<i>ASB10</i>	4. Others	C17orf66	4. Others
<i>ASB17</i>	4. Others	C19orf2	4. Others
<i>ASCL1</i>	4. Others	C1orf114	4. Others
<i>ASH2L</i>	4. Others	C1orf125	4. Others
<i>ASNSD1</i>	4. Others	C1orf157	4. Others
<i>ATXN8OS</i>	4. Others	C1orf180	4. Others
<i>AVP</i>	4. Others	C1orf194	4. Others
<i>B3GALT5</i>	4. Others	C1orf92	4. Others
<i>BANF2</i>	4. Others	C1QL2	4. Others
<i>BCYRN1</i>	4. Others	C20orf11	4. Others
<i>BEYLA</i>	4. Others	C20orf4	4. Others
<i>BHMT</i>	4. Others	C20orf43	4. Others
<i>BIRC8</i>	4. Others	C20orf71	4. Others
<i>BPESC1</i>	4. Others	C21orf121	4. Others
<i>BPIL3</i>	4. Others	C21orf54	4. Others
<i>BPY2</i>	4. Others	C21orf90	4. Others
<i>BRMS1L</i>	4. Others	C22orf15	4. Others
<i>BSX</i>	4. Others	C2CD3	4. Others
<i>BUD31</i>	4. Others	C2orf39	4. Others
<i>C10orf120</i>	4. Others	C2orf80	4. Others
<i>C10orf40</i>	4. Others	C3orf24	4. Others
<i>C10orf82</i>	4. Others	C4orf11	4. Others
<i>C10orf90</i>	4. Others	C4orf26	4. Others
<i>C10orf96</i>	4. Others	C4orf43	4. Others
<i>C11orf53</i>	4. Others	C4orf50	4. Others
<i>C11orf64</i>	4. Others	C4orf6	4. Others
<i>C11orf85</i>	4. Others	C6orf103	4. Others
<i>C12orf12</i>	4. Others	C6orf176	4. Others
<i>C12orf36</i>	4. Others	C6orf182	4. Others
<i>C12orf54</i>	4. Others	C6orf203	4. Others
<i>C13orf35</i>	4. Others	C6orf218	4. Others
<i>C14orf105</i>	4. Others	C6orf222	4. Others
<i>C15orf29</i>	4. Others	C7orf57	4. Others
<i>C15orf50</i>	4. Others	C7orf65	4. Others
<i>C15orf55</i>	4. Others	C7orf66	4. Others
<i>C16orf73</i>	4. Others	C8orf34	4. Others
<i>C17orf104</i>	4. Others	C9orf171	4. Others
<i>C18orf2</i>	4. Others	C9orf53	4. Others
<i>C18orf21</i>	4. Others	CACNB2	4. Others
<i>C19orf12</i>	4. Others	CAGE1	4. Others

<i>C19orf2</i>	4. Others	CALB1	4. Others
<i>C19orf47</i>	4. Others	CAPNS2	4. Others
<i>C1QL2</i>	4. Others	CASC3	4. Others
<i>C1QL4</i>	4. Others	CBWD5	4. Others
<i>C1QTNF9B</i>	4. Others	CBX1	4. Others
<i>C20orf185</i>	4. Others	CCDC117	4. Others
<i>C20orf186</i>	4. Others	CCDC144NL	4. Others
<i>C20orf71</i>	4. Others	CCDC33	4. Others
<i>C21orf131</i>	4. Others	CCDC77	4. Others
<i>C21orf88</i>	4. Others	CCDC83	4. Others
<i>C2orf84</i>	4. Others	CCT2	4. Others
<i>C4orf40</i>	4. Others	CCT6A	4. Others
<i>C4orf6</i>	4. Others	CDC123	4. Others
<i>C6orf142</i>	4. Others	CDC20B	4. Others
<i>C6orf176</i>	4. Others	CDC5L	4. Others
<i>C6orf57</i>	4. Others	CELA2A	4. Others
<i>C7orf33</i>	4. Others	CELA3A	4. Others
<i>C7orf52</i>	4. Others	CELF3	4. Others
<i>C8A</i>	4. Others	CELF4	4. Others
<i>C8orf74</i>	4. Others	CGA	4. Others
<i>C9</i>	4. Others	CGB1	4. Others
<i>C9orf27</i>	4. Others	CHAT	4. Others
<i>CA10</i>	4. Others	CHD5	4. Others
<i>CABP2</i>	4. Others	CHRDL2	4. Others
<i>CACNB2</i>	4. Others	CHST4	4. Others
<i>CALB1</i>	4. Others	CLEC18C	4. Others
<i>CALCA</i>	4. Others	CLLU1OS	4. Others
<i>CALM2</i>	4. Others	CLNS1A	4. Others
<i>CALML3</i>	4. Others	CLRN1OS	4. Others
<i>CALML5</i>	4. Others	CLVS1	4. Others
<i>CALR3</i>	4. Others	CMAS	4. Others
<i>CAND1</i>	4. Others	CNDP1	4. Others
<i>CAPNS2</i>	4. Others	COL11A2	4. Others
<i>CAPZA2</i>	4. Others	COL29A1	4. Others
<i>CARD17</i>	4. Others	CPLX3	4. Others
<i>CBLN2</i>	4. Others	CPNE1	4. Others
<i>CBRI</i>	4. Others	CPNE4	4. Others
<i>CCDC105</i>	4. Others	CRMP1	4. Others
<i>CCL1</i>	4. Others	CRP	4. Others
<i>CCT2</i>	4. Others	CRYGB	4. Others

<i>CDX2</i>	4. Others	<i>CSAG3</i>	4. Others
<i>CEACAM18</i>	4. Others	<i>CSH1</i>	4. Others
<i>CEL</i>	4. Others	<i>CSHL1</i>	4. Others
<i>CELF3</i>	4. Others	<i>CST5</i>	4. Others
<i>CETN1</i>	4. Others	<i>CSTF1</i>	4. Others
<i>CGB</i>	4. Others	<i>CT45A3</i>	4. Others
<i>CGB2</i>	4. Others	<i>CT45A6</i>	4. Others
<i>CGB5</i>	4. Others	<i>CT47B1</i>	4. Others
<i>CHD5</i>	4. Others	<i>CTNNA2</i>	4. Others
<i>CHST8</i>	4. Others	<i>CTTN</i>	4. Others
<i>CIAO1</i>	4. Others	<i>CWC25</i>	4. Others
<i>CIDEC</i>	4. Others	<i>CXorf30</i>	4. Others
<i>CLEC18C</i>	4. Others	<i>CXorf48</i>	4. Others
<i>CNBD1</i>	4. Others	<i>CXorf51</i>	4. Others
<i>CNDP1</i>	4. Others	<i>CXorf65</i>	4. Others
<i>CNOT2</i>	4. Others	<i>CYP17A1</i>	4. Others
<i>COL11A2</i>	4. Others	<i>CYP2A6</i>	4. Others
<i>COL2A1</i>	4. Others	<i>CYP2A7</i>	4. Others
<i>CPA5</i>	4. Others	<i>DAB1</i>	4. Others
<i>CPLX2</i>	4. Others	<i>DAZ1</i>	4. Others
<i>CPLX3</i>	4. Others	<i>DCDC2B</i>	4. Others
<i>CPN1</i>	4. Others	<i>DDHD2</i>	4. Others
<i>CPS1</i>	4. Others	<i>DDX25</i>	4. Others
<i>CRIP3</i>	4. Others	<i>DDX42</i>	4. Others
<i>CRKL</i>	4. Others	<i>DDX47</i>	4. Others
<i>CRMP1</i>	4. Others	<i>DEFB115</i>	4. Others
<i>CRP</i>	4. Others	<i>DEFB123</i>	4. Others
<i>CRYGA</i>	4. Others	<i>DEFB129</i>	4. Others
<i>CRYGB</i>	4. Others	<i>DEFB135</i>	4. Others
<i>CRYGC</i>	4. Others	<i>DERA</i>	4. Others
<i>CSAG1</i>	4. Others	<i>DLX5</i>	4. Others
<i>CSAG3</i>	4. Others	<i>DLX6</i>	4. Others
<i>CSH1</i>	4. Others	<i>DMRTA2</i>	4. Others
<i>CSN2</i>	4. Others	<i>DNAH17</i>	4. Others
<i>CST11</i>	4. Others	<i>DNAJB13</i>	4. Others
<i>CST9</i>	4. Others	<i>DYDC1</i>	4. Others
<i>CT47A1</i>	4. Others	<i>EDDM3B</i>	4. Others
<i>CT47A11</i>	4. Others	<i>EFCAB10</i>	4. Others
<i>CT47A2</i>	4. Others	<i>EFCAB3</i>	4. Others
<i>CT47A6</i>	4. Others	<i>EGR4</i>	4. Others

<i>CTNNA2</i>	4. Others	<i>EID2</i>	4. Others
<i>CTNNA3</i>	4. Others	<i>ELSPBP1</i>	4. Others
<i>CXorf27</i>	4. Others	<i>EPHX3</i>	4. Others
<i>CXorf48</i>	4. Others	<i>EPO</i>	4. Others
<i>CXorf51</i>	4. Others	<i>ERLIN2</i>	4. Others
<i>CXorf64</i>	4. Others	<i>EXOC2</i>	4. Others
<i>CYLC1</i>	4. Others	<i>FABP6</i>	4. Others
<i>CYLC2</i>	4. Others	<i>FADD</i>	4. Others
<i>CYP11B2</i>	4. Others	<i>FAM133A</i>	4. Others
<i>CYP2A6</i>	4. Others	<i>FAM150B</i>	4. Others
<i>CYP2A7</i>	4. Others	<i>FAM153B</i>	4. Others
<i>CYP2C19</i>	4. Others	<i>FAM177B</i>	4. Others
<i>CYP2W1</i>	4. Others	<i>FAM19A4</i>	4. Others
<i>DAB1</i>	4. Others	<i>FAM24A</i>	4. Others
<i>DAZ2</i>	4. Others	<i>FAM27L</i>	4. Others
<i>DAZ3</i>	4. Others	<i>FAM99A</i>	4. Others
<i>DCTN2</i>	4. Others	<i>FBXL13</i>	4. Others
<i>DDHD2</i>	4. Others	<i>FBXL20</i>	4. Others
<i>DDX25</i>	4. Others	<i>FCRLB</i>	4. Others
<i>DEFB115</i>	4. Others	<i>FKBP6</i>	4. Others
<i>DEFB118</i>	4. Others	<i>FLJ25363</i>	4. Others
<i>DEFB119</i>	4. Others	<i>FLJ37543</i>	4. Others
<i>DEFB131</i>	4. Others	<i>FOXE3</i>	4. Others
<i>DGKB</i>	4. Others	<i>FOXI2</i>	4. Others
<i>DHRS2</i>	4. Others	<i>FOXN4</i>	4. Others
<i>DKFZP434L187</i>	4. Others	<i>FRMPD4</i>	4. Others
<i>DKFZp434L192</i>	4. Others	<i>FSD1</i>	4. Others
<i>DLX1</i>	4. Others	<i>FTCD</i>	4. Others
<i>DLX2</i>	4. Others	<i>FTHL17</i>	4. Others
<i>DLX6AS</i>	4. Others	<i>FTSJ3</i>	4. Others
<i>DMRTB1</i>	4. Others	<i>G6PD</i>	4. Others
<i>DNM1L</i>	4. Others	<i>GABPB1</i>	4. Others
<i>DPEP3</i>	4. Others	<i>GAD1</i>	4. Others
<i>DPPA2</i>	4. Others	<i>GAGE1</i>	4. Others
<i>DSCR10</i>	4. Others	<i>GAGE12D</i>	4. Others
<i>DSCR4</i>	4. Others	<i>GAGE12F</i>	4. Others
<i>DUSP21</i>	4. Others	<i>GAGE12J</i>	4. Others
<i>DUSP27</i>	4. Others	<i>GAGE13</i>	4. Others
<i>DYSFIP1</i>	4. Others	<i>GAGE2A</i>	4. Others
<i>EAPP</i>	4. Others	<i>GAGE2B</i>	4. Others

<i>EFNA2</i>	4. Others	<i>GAGE2C</i>	4. Others
<i>ELP2</i>	4. Others	<i>GAGE2D</i>	4. Others
<i>EMX1</i>	4. Others	<i>GAGE2E</i>	4. Others
<i>EMX2OS</i>	4. Others	<i>GAGE4</i>	4. Others
<i>EPS8L3</i>	4. Others	<i>GATA5</i>	4. Others
<i>ESRRB</i>	4. Others	<i>GBA3</i>	4. Others
<i>EVX2</i>	4. Others	<i>GDF9</i>	4. Others
<i>EXOC3</i>	4. Others	<i>GIT1</i>	4. Others
<i>F13B</i>	4. Others	<i>GLA</i>	4. Others
<i>FABP7</i>	4. Others	<i>GLB1L3</i>	4. Others
<i>FAM119B</i>	4. Others	<i>GNAS</i>	4. Others
<i>FAM133A</i>	4. Others	<i>GNAT1</i>	4. Others
<i>FAM196A</i>	4. Others	<i>GNG3</i>	4. Others
<i>FAM197Y2</i>	4. Others	<i>GOLGA7</i>	4. Others
<i>FAM19A4</i>	4. Others	<i>GOLGA8F</i>	4. Others
<i>FAM27L</i>	4. Others	<i>GPC5</i>	4. Others
<i>FAM41AY1</i>	4. Others	<i>GPN1</i>	4. Others
<i>FAM41C</i>	4. Others	<i>GRB7</i>	4. Others
<i>FAM47A</i>	4. Others	<i>GSTA2</i>	4. Others
<i>FAM47B</i>	4. Others	<i>GTSF1</i>	4. Others
<i>FAM5B</i>	4. Others	<i>GTSF1L</i>	4. Others
<i>FAM69C</i>	4. Others	<i>H2AFB1</i>	4. Others
<i>FAM83C</i>	4. Others	<i>HAL</i>	4. Others
<i>FAM99B</i>	4. Others	<i>HAR1B</i>	4. Others
<i>FAM9A</i>	4. Others	<i>HEATR6</i>	4. Others
<i>FCN2</i>	4. Others	<i>HEBP1</i>	4. Others
<i>FGF19</i>	4. Others	<i>HES7</i>	4. Others
<i>FGF3</i>	4. Others	<i>HIST1H1T</i>	4. Others
<i>FGF4</i>	4. Others	<i>HIST1H2BA</i>	4. Others
<i>FGF5</i>	4. Others	<i>HIST1H4B</i>	4. Others
<i>FGF8</i>	4. Others	<i>HMGA2</i>	4. Others
<i>FLJ25328</i>	4. Others	<i>HMP19</i>	4. Others
<i>FLJ41941</i>	4. Others	<i>HMSD</i>	4. Others
<i>FLJ43859</i>	4. Others	<i>HMX1</i>	4. Others
<i>FOXB1</i>	4. Others	<i>HNRNPCL1</i>	4. Others
<i>FOXB2</i>	4. Others	<i>HOXB8</i>	4. Others
<i>FOXD1</i>	4. Others	<i>HOXB9</i>	4. Others
<i>FOXE3</i>	4. Others	<i>HOXC12</i>	4. Others
<i>FOXH1</i>	4. Others	<i>HOXD13</i>	4. Others
<i>FOXJ1</i>	4. Others	<i>HSD17B1</i>	4. Others

<i>FOXI3</i>	4. Others	HUS1B	4. Others
<i>FOXN4</i>	4. Others	IFNA10	4. Others
<i>FOXR2</i>	4. Others	IFNA16	4. Others
<i>FRG2</i>	4. Others	IGF2BP3	4. Others
<i>FRMD1</i>	4. Others	IGFL3	4. Others
<i>FRS2</i>	4. Others	IGHMBP2	4. Others
<i>FSD2</i>	4. Others	IHH	4. Others
<i>FSHB</i>	4. Others	IL17C	4. Others
<i>FTCD</i>	4. Others	IL1F10	4. Others
<i>FTMT</i>	4. Others	IL1F5	4. Others
<i>GADL1</i>	4. Others	IL23A	4. Others
<i>GAGE12D</i>	4. Others	IL25	4. Others
<i>GAGE12F</i>	4. Others	IL28A	4. Others
<i>GAGE13</i>	4. Others	IL29	4. Others
<i>GAGE2B</i>	4. Others	INA	4. Others
<i>GAGE2E</i>	4. Others	ING1	4. Others
<i>GAST</i>	4. Others	INS	4. Others
<i>GBX2</i>	4. Others	INTS4	4. Others
<i>GCKR</i>	4. Others	IQSEC2	4. Others
<i>GDNF</i>	4. Others	ISL1	4. Others
<i>GLYATL1</i>	4. Others	ISL2	4. Others
<i>GLYATL2</i>	4. Others	ITIH1	4. Others
<i>GNS</i>	4. Others	IVL	4. Others
<i>GOLGA7</i>	4. Others	KCTD21	4. Others
<i>GPKOW</i>	4. Others	KDM2A	4. Others
<i>GSC2</i>	4. Others	KIAA0020	4. Others
<i>GSTP1</i>	4. Others	KLHDC3	4. Others
<i>GTF2B</i>	4. Others	KRT10	4. Others
<i>GTF3C5</i>	4. Others	KRT2	4. Others
<i>GYS2</i>	4. Others	KRT31	4. Others
<i>H2AFB1</i>	4. Others	KRT33A	4. Others
<i>HBE1</i>	4. Others	KRT39	4. Others
<i>HIST1H1A</i>	4. Others	KRT75	4. Others
<i>HIST1H2AA</i>	4. Others	KRT79	4. Others
<i>HIST1H2AD</i>	4. Others	KRT83	4. Others
<i>HIST1H2AH</i>	4. Others	KRT9	4. Others
<i>HIST1H2BA</i>	4. Others	KRTAP10-11	4. Others
<i>HIST1H3C</i>	4. Others	KRTAP10-3	4. Others
<i>HIST1H4L</i>	4. Others	KRTAP10-5	4. Others
<i>HMGB4</i>	4. Others	KRTAP10-7	4. Others

<i>HMP19</i>	4. Others	KRTAP19-1	4. Others
<i>HNRNPCL1</i>	4. Others	KRTAP19-8	4. Others
<i>HOTAIR</i>	4. Others	KRTAP20-4	4. Others
<i>HOXA11</i>	4. Others	KRTAP21-1	4. Others
<i>HOXA11AS</i>	4. Others	KRTAP4-3	4. Others
<i>HOXA9</i>	4. Others	KRTAP5-6	4. Others
<i>HOXB13</i>	4. Others	KRTAP6-3	4. Others
<i>HOXD12</i>	4. Others	KRTAP9-9	4. Others
<i>HPD</i>	4. Others	LANCL2	4. Others
<i>HPVC1</i>	4. Others	LASP1	4. Others
<i>HRNBP3</i>	4. Others	LCE1A	4. Others
<i>HTN1</i>	4. Others	LCE1F	4. Others
<i>IFNA16</i>	4. Others	LCE2B	4. Others
<i>IFNA2</i>	4. Others	LCE3C	4. Others
<i>IFNA4</i>	4. Others	LCE3E	4. Others
<i>IFNA7</i>	4. Others	LCNL1	4. Others
<i>IFNE</i>	4. Others	LEFTY1	4. Others
<i>IGF2AS</i>	4. Others	LHELP1	4. Others
<i>IGFBP1</i>	4. Others	LEUTX	4. Others
<i>IL28A</i>	4. Others	LGALS13	4. Others
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<i>TTY7</i>	4. Others	PLGLA	5. pseudo
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<i>UTS2</i>	4. Others	SLC6A10P	5. pseudo
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<i>VDAC3</i>	4. Others	TRIM53	5. pseudo
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<i>ZFAT</i>	4. Others	SNORD17	6. ncRNA
<i>ZFP42</i>	4. Others	ABCC13	6. pseudo
<i>ZIC5</i>	4. Others	LOC728024	6. pseudo
<i>ZKSCAN5</i>	4. Others		
<i>ZMAT4</i>	4. Others		
<i>ZNF330</i>	4. Others		
<i>ZNF350</i>	4. Others		
<i>ZNF410</i>	4. Others		
<i>ZNF534</i>	4. Others		
<i>ZNF57</i>	4. Others		
<i>ZNF679</i>	4. Others		
<i>ZNF705D</i>	4. Others		
<i>ZNF710</i>	4. Others		
<i>ZNF735</i>	4. Others		
<i>C8orf56</i>	5. ncRNA		
<i>LOC285548</i>	5. ncRNA		
<i>LOC728606</i>	5. ncRNA		

<i>LOC731789</i>	5. ncRNA
<i>PART1</i>	5. ncRNA
<i>AACSL</i>	5. pseudo
<i>ADAM3A</i>	5. pseudo
<i>ADAM5P</i>	5. pseudo
<i>C3orf50</i>	5. pseudo
<i>CLCA3P</i>	5. pseudo
<i>CSNK1A1P</i>	5. pseudo
<i>CSPG4PY2</i>	5. pseudo
<i>CSTT</i>	5. pseudo
<i>CTSL3</i>	5. pseudo
<i>DKFZp686A1627</i>	5. pseudo
<i>FLJ40434</i>	5. pseudo
<i>FTLP10</i>	5. pseudo
<i>GOLGA8C</i>	5. pseudo
<i>HBBP1</i>	5. pseudo
<i>HSFYL1</i>	5. pseudo
<i>HYALP1</i>	5. pseudo
<i>LOC100240726</i>	5. pseudo
<i>LOC146481</i>	5. pseudo
<i>LOC347376</i>	5. pseudo
<i>LOC348840</i>	5. pseudo
<i>LOC650293</i>	5. pseudo
<i>LOC653544</i>	5. pseudo
<i>LOC729176</i>	5. pseudo
<i>LOC729668</i>	5. pseudo
<i>NF1P1</i>	5. pseudo
<i>OR3A4</i>	5. pseudo
<i>OR52A4</i>	5. pseudo
<i>OR6W1P</i>	5. pseudo
<i>PER4</i>	5. pseudo
<i>PSG10</i>	5. pseudo
<i>RBMY1A3P</i>	5. pseudo
<i>RBMY2EP</i>	5. pseudo
<i>REG1P</i>	5. pseudo
<i>REXO1L1</i>	5. pseudo
<i>SERPINA13</i>	5. pseudo
<i>SKINTL</i>	5. pseudo
<i>TDGF3</i>	5. pseudo
<i>TMPRSS11BNL</i>	5. pseudo

<i>UBE2DNL</i>	5. pseudo
<i>UOX</i>	5. pseudo
<i>USP17L6P</i>	5. pseudo
<i>VENTXP1</i>	5. pseudo
<i>VENTXP7</i>	5. pseudo
<i>ZNF271</i>	5. pseudo
<i>SNORA11</i>	6. ncRNA
<i>SNORA11D</i>	6. ncRNA
<i>SNORA11E</i>	6. ncRNA
<i>SNORA13</i>	6. ncRNA
<i>SNORA28</i>	6. ncRNA
<i>SNORA2B</i>	6. ncRNA
<i>SNORA32</i>	6. ncRNA
<i>SNORA38</i>	6. ncRNA
<i>SNORA38B</i>	6. ncRNA
<i>SNORA42</i>	6. ncRNA
<i>SNORA44</i>	6. ncRNA
<i>SNORA58</i>	6. ncRNA
<i>SNORA5B</i>	6. ncRNA
<i>SNORA66</i>	6. ncRNA
<i>SNORA71C</i>	6. ncRNA
<i>SNORA71D</i>	6. ncRNA
<i>SNORA78</i>	6. ncRNA
<i>SNORA79</i>	6. ncRNA
<i>SNORA80</i>	6. ncRNA
<i>SNORD89</i>	6. ncRNA
<i>LILRP2</i>	6. pseudo
<i>LOC441601</i>	6. pseudo
