Supplementary Table 2: List of 181 differentially expressed genes in PBMC for genotype effects test by edgeR PiMZ.off.avg PiMZ.off.sd PiMZ.off.cv PiZZ.off.avg PiZZ.off.sd PiZZ.off.cv FC logFC logCPM **PValue** FDR RNY1 22.5903013 22.1546907 0.98071692 1761.40216 7880.97083 4.47425978 77.9716097 6.28487701 5.29595351 3.78E-18 3.27E-14 LINC00461 3.27E-14 4.02E-18 1.22E-17 SNORD99 23.5621042 14.6171549 0.62036713 695.341826 3370.64772 4.84746867 29.5110241 4.88318208 3.99616808 5.39E-14 18.9485336 17.5693089 0.92721206 835.203297 4087.81288 4.89439265 44.0774635 5.4619693 4.23767183 1.32F-17 5.39F-14 SNORD95 6.50365262 10.6899189 1.64367926 313.107819 1584.76992 5.06141918 48.14338 5.58926553 2.82060832 2.28E-17 7.41E-14 SNORD42A SNORD33 13.7859092 12.1149536 0.8787925 537.275452 2036.10322 3.78968221 38.9727979 5.2843956 3.61359344 2.14E-15 5.80E-12 18.1168234 17.0787372 0.94270043 368.150996 1357.06736 3.68617054 20.3209464 4.34489569 3.11847202 6.56F-13 1.52F-09 SNORD83B RNY3 63.6881907 88.9211613 1.39619544 1543.65547 6042.33412 3.91430227 24.2377034 4.5991811 5.15887659 1.38E-12 2.80E-09 SNORD71 6.22022694 7.19054472 1.15599395 229.424812 1115.36901 4.86158842 36.8836723 5.2049104 2.39860834 3.03E-11 5.24E-08 9.22482283 7.79439332 0.84493691 187.091552 935.070895 4.9979322 20.2813166 4.34207941 2.14946301 3.22F-11 SNORD57 5.24F-08 SNORD94 13.3581336 11.5355865 0.86356275 160.464012 620.119654 3.86454037 12.0124575 3.58645943 1.99253522 5.52E-11 8.16E-08 SNORD79 25.5808044 18.8219498 0.73578412 244.151021 1113.76491 4.56178683 9.54430582 3.25464027 2.61233445 1.47E-10 2.00E-07 2.79933455 3.18752514 1.13867245 64.8576646 328.04639 5.05794329 23.168958 4.53412125 1.91E-10 MIR30B 0.6579958 2.38E-07 SNORD46 11.0685145 13.529852 1.22237288 218.770259 888.93924 4.06334593 19.7650966 4.3048831 2.37619245 2.39E-10 2.77E-07 MIR34A 2.20655932 2.72517743 1.23503475 106.806372 547.560163 5.12666194 48.404034 5.59705538 1.30882935 4.44E-10 4.81E-07 12.3351172 19.1792203 1.55484703 160.95869 564.487059 3.50703066 13.0488173 3.70584714 1.98297556 SNORD104 9.21E-10 9.37E-07 SNORD26 22.2642935 17.7229878 0.7960274 160.111687 696.490909 4.35003166 7.19141109 2.84627488 2.0832489 1.16E-09 1.11E-06 47.3317785 41.2315694 0.87111811 321.366868 1250.08311 3.88989419 6.78966391 2.76334016 3.08854997 1.24E-09 1.12E-06 55.6603932 105.065668 1.88761994 858.208746 2995.70729 3.49065109 15.4186612 3.9466056 4.36176893 1.83E-09 RNU2-2P 1.57E-06 CGNI1 10.8223054 9.37590747 0.86635029 73.5541346 326.495503 4.43884636 6.79653104 2.76479858 1.00028967 2.17E-09 1.72E-06 MIR9-2 3.97537871 9.51700957 2.39398816 660.15192 3467.78288 5.25300734 166.060134 7.37556196 3.86659497 2.22E-09 1.72E-06 9.69105828 7.18834337 0.74175009 103.373416 424.084337 4.10245065 10.6668862 3.41506719 1.38941786 SNORA45B 2.55E-09 1.89E-06 MIR9-3 3.96542787 9.56877845 2.41305069 659.971971 3467.3368 5.25376373 166.431465 7.3787844 3.8661824 4.87E-09 3.44E-06 4.03445684 9.52403098 2.36067242 660.109482 3467.79023 5.25335619 163.617931 7.35418706 3.86668454 5.54E-09 3.76E-06 RN7SL2 41433.1874 87967.6548 2.12312063 9072.66674 5492.21186 0.60535805 4.56681466 -2.1911882 10.4528172 5.78E-09 3.76E-06 GLT8D2 5.16367628 5.22387869 1.01165883 46.8547951 216.363368 4.61774227 9.07392187 3.18172624 0.34505355 8.33E-09 5.21E-06 12.7295968 9.15735911 0.71937543 87.0314386 289.734122 3.32907426 6.83693599 2.77334992 1.23121454 9.19E-09 5.53E-06 1.63187263 2.528037 1.54916318 60.5802048 314.21153 5.186703 37.1231208 5.21424609 0.54277839 SNORD41 1.12E-08 6.49E-06 SNORD69 5.38448867 5.21860766 0.9691928 42.9248925 124.470943 2.89973802 7.97195335 2.99493327 0.22435964 1.16E-08 6.50E-06 ARHGAP20 7.24419359 5.69654069 0.78635953 37.7853095 136.624659 3.61581421 5.21594419 2.38292843 0.15687055 1.53E-08 8.30E-06 98.1491817 206.485533 2.10379271 9943.37696 52417.012 5.27155032 101.308812 6.66261585 7.77754532 MIR30C1 1.90E-08 9.78E-06 $10.4676886 \quad 7.50823565 \quad 0.71727732 \quad 69.8474944 \quad 311.536303 \quad 4.46023591 \quad 6.67267597 \quad 2.73826545 \quad 0.92995944 \quad 0.9295944 \quad 0.92959444 \quad 0.92959444 \quad 0.92959444 \quad 0.92$ SNORD50B 1.92E-08 9.78E-06 5.45243409 5.19733317 0.95321339 54.0507223 233.211198 4.31467311 9.9131363 3.30934157 0.51535065 SNORD48 2.21E-08 1.09E-05 3.18586658 3.65782304 1.14814069 43.4782329 222.858376 5.12574593 13.6472234 3.770535552.31E-08 IFITM5 0.1424639 1.11E-05 35625.0267 71412.1169 2.00454915 8646.49266 5870.95152 0.67899803 4.12017082 -2.0427042 10.2566182 RN7SI1 2.55E-08 1.19E-05 5.784322 1.73715614 25.8457056 111.681078 4.32106901 7.76202054 2.95643225 -0.4606189 1.63E-05 LOC1002878 3.32976517 3.61E-08 SNORD83A 9.04299176 8.23488028 0.91063671 95.7966088 321.068735 3.35156682 10.5934641 3.40510253 1.28580393 3.71E-08 1.63E-05 SNORD75 1.09472192 2.89669514 2.64605566 49.3633239 204.819687 4.14922804 45.0921123 5.49480319 0.24025072 4.21E-08 1.80E-05 MIR30C2 97.7607048 207.199565 2.11945654 9946.90236 52437.2102 5.27171257 101.747449 6.66884882 7.77793364 5.42E-08 2.26E-05 SNORD55 16.5295243 15.0803617 0.91232884 117.025632 410.90091 3.51120436 7.07979434 2.82370745 1.63928875 5.57E-08 2.26E-05 TAS1R3 19.7608658 12.3975535 0.62737907 93.0931655 267.088763 2.86904803 4.71098617 2.2360291 1.43194753 7.09E-08 2.81E-05 SNORD6 $6.64975828 \quad 7.01742698 \quad 1.05529054 \quad 58.0899277 \quad 276.085562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad 4.75272689 \quad 8.73564501 \quad 3.12691423 \quad 0.62763369 \quad 276.08562 \quad$ 7.72E-08 2.99E-05 SNORD35B 63.5732885 30.606338 0.48143393 259.316559 811.037168 3.12759498 4.07901754 2.02822171 2.92948197 1.10E-07 4.14E-05 RNU5A-1 2.02689691 5.07138348 2.50204313 54.4742258 260.821164 4.78797376 26.8756766 4.74822917 0.37296142 1.47F-07 5.44F-05 SNORD45C 4.85173393 5.08700548 1.04849226 42.0763813 181.25883 4.30785216 8.67244203 3.11643829 0.18536975 1.72E-07 6.22E-05 35.8603713 20.9937968 0.58543166 168.258078 718.663539 4.27119785 4.69203389 2.23021344 2.26453591 1.99E-07 6.89E-05 SNORD62A 35.8603713 20.9937968 0.58543166 168.258078 718.663539 4.27119785 4.69203389 2.23021344 2.26453591 1.99F-07 6.89F-05 SNORD3B-2 280.570683 291.62144 1.03938671 1431.95974 5847.3875 4.08348596 5.10373973 2.35155476 5.30864737 2.93E-07 9.72E-05 SNORD3B-1 280.570683 291.62144 1.03938671 1431.95974 5847.3875 4.08348596 5.10373973 2.35155476 5.30864737 2.93E-07 9.72E-05 LOC151475 5.83692888 4.91703544 0.84240112 29.8183293 107.303237 3.59856636 5.10856479 2.35291803 -0.1346382 3.23E-07 0.00010498 SNORD3A 288.567166 343.01253 1.18867484 1450.86619 5804.47485 4.00069619 5.0278284 2.32993541 5.32813285 3.84E-07 0.00012242 135.157514 142,7767 1.05637264 681,707869 2888,21095 4.2367282 5.04380294 2.33451191 4.48E-07 0.00014025 SNORD116-5 5.76320095 8.97970689 1.55811102 77.4877618 395.439512 5.10325119 13.4452646 3.74902624 0.95116258 5.46E-07 0.00016451 SNORD116-3 5.76320095 8.97970689 1.55811102 77.4877618 395.439512 5.10325119 13.4452646 3.74902624 0.95116258 5.46E-07 0.00016451 23.0487018 15.2845261 0.66314043 87.7238093 277.073059 3.15847044 3.80601954 1.92828297 1.39882754 6.50E-07 0.00019227 RNU4-2 18.2198249 43.9752598 2.41359399 227.194278 846.314497 3.7250696 12.4696192 3.6403455 2.48003049 6.81E-07 0.00019775 SNORD125 17.5312158 16.551899 0.94413868 71.784261 263.001252 3.6637732 4.09465388 2.03374151 1.0998532 7.16E-07 0.00020423 5.782477 2.00622066 69.2332161 344.805342 4.98034558 24.0203477 4.58618513 0.74354463 SNORD67 2.88227368 7.38E-07 0.00020699 SNORA54 1.80512925 3.60631316 1.99781438 73.0694265 375.943796 5.14502185 40.4787783 5.33909384 0.76873191 8.47E-07 0.00023351 RNY4 99.3444375 101.442312 1.02111718 495.06664 1762.06514 3.55924839 4.98333528 2.31711164 3.78156662 8.83E-07 0.00023924 13.248469 1.09970538 59.1284384 204.792801 3.46352459 4.90802837 2.29514359 0.75241714 SNORA12 12.0472895 9.94E-07 0.000265 NRG4 12.4868516 9.30896422 0.74550131 56.7547309 240.678305 4.24067388 4.54515939 2.18433089 0.7396109 1.03E-06 0.00027138 SNORD73A 17.8073192 9.80739245 0.55075064 60.7748971 167.216992 2.75141547 3.41291671 1.77100521 0.9286068 1.50E-06 0.00038747 8.81654099 8.58860316 0.97414657 42.1562386 162.507238 3.85487993 4.78149408 2.25746149 0.33376244 SNORD50A 1.86E-06 0.00047249 THEGL 24.6124728 18.1318613 0.73669401 102.777403 313.066335 3.04606193 4.17582597 2.06206159 1.60887855 1.98E-06 0.00049576 0.685426 85.3164706 231.035967 2.70798786 3.53570431 1.82199763 1.40532803 SNORA61 24.129979 16.5393149 2 20F-06 0 00054148 22.9990857 14.4882835 0.62995041 97.5094801 293.887423 3.01393693 4.23971115 2.08396598 1.52514101 SNORA43 2.42E-06 0.00058828 TREML3P 19.8238567 16.9945805 0.85727922 76.423727 213.751837 2.79693029 3.85513919 1.94678295 1.2037477 3.43E-06 0.00082158

DPP6	7.02696832	6.61766241	0.94175213	24.2458912	78.8438492	3.25184373	3.45040565	1.78676598	-0.2992096	3.64E-06	0.00085823
MIR3653	21.8537574	16.8414121	0.77064149	74.2979837	262.525226	3.53340983	3.39978075	1.76544171	1.2130906	3.86E-06	0.0008962
SNORD16	15.4549182	11.3340318	0.73336084	68.6993345	283.323363	4.12410637	4.44514385	2.15223011	1.02343332	4.15E-06	0.00094726
RNY5	5.65994493	6.04497523	1.06802722	36.3131429	122.356982	3.36949579	6.41581206	2.68163188	0.03714202	4.19E-06	0.00094726
SFRP1	4.03619585	2.54767739	0.63120758	16.3079373	66.9612394	4.10605206	4.04042269	2.01450623	-0.7824284	4.54E-06	0.00101122
LINC00896	6.87080195	5.47538012	0.79690554	27.9253185	115.877754	4.14955891	4.06434631	2.02302333	-0.1652563	5.53E-06	0.00121565
NACAD	9.83760392	5.94673894	0.60449058	36.0585341	140.713283	3.90235729	3.6653777	1.87396187	0.2172008	6.48E-06	0.00140439
SNORA64	30.2432983	21.3984264	0.70754275	118.60654	500.323438	4.21834613	3.92174619	1.97149617	1.83866318	7.53E-06	0.0016115
MIRLET7B	15.2774171	10.4201753	0.68206394	60.5209337	255.011686	4.21361123	3.96146374	1.9860336	0.88320717	8.17E-06	0.00171836
KCNG2	5.90549078	5.44135048	0.9214053	26.6560741	117.157371	4.39514725	4.51377797	2.17433545	-0.2697988	8.24E-06	0.00171836
SNORD42B	3.99776837	4.29962076	1.07550522	30.1424895	146.37104	4.85597051	7.5398289	2.91453179	-0.2051565	8.55E-06	0.00176002
LINC01271	9.49615067	8.33205692	0.87741414	44.9920752	206.988056	4.60054477	4.73792769	2.24425618	0.40153337	1.19E-05	0.00241378
FRMPD1	8.01946424	22.155576	2.76272521	40.5316304	175.825722	4.33798791	5.05415688	2.33747045	0.27961445	1.29E-05	0.00258518
MIRLET7F1	7.7081695	6.68315573	0.86702242	29.995608	120.931545	4.03164174	3.89140483	1.96029107	-0.0703027	1.45E-05	0.00286972
SNORA19	2.37600796	4.61640055	1.94292302	41.6341377	216.629168	5.20316212	17.5227266	4.13115537	0.05048415	1.47E-05	0.00288925
SND1-IT1	22.9240482	40.434586	1.76385016	7.43921691	4.70356142	0.63226566	3.08151361	-1.6236392	-0.1318638	1.92E-05	0.00371246
SNORD80	22.7125385	16.3818755	0.72127013	68.2788352	165.913806	2.42994488	3.0062177	1.58794949	1.1742483	2.10E-05	0.00401322
SNORD89	144.050859	64.7489821	0.44948696	307.522581	578.297871	1.88050539	2.13481949	1.09411409	3.46496356		0.00435831
LOC1019281	8.48769904	7.78176999	0.91682916	29.0136532	86.8733928	2.99422456	3.41831785	1.77328655	-0.0561996	2.37E-05	0.00443627
KRT18	34.3730935	16.5186242	0.48056845	110.070102	382.561701	3.47561868	3.20221692	1.67907104	1.80030597		0.00444672
SOX14	7.32872763						2.20376759		-0.5740102	2.43E-05	0.00444672
MSLN	21.7184936						3.18912377		-0.1721808		0.00452597
LRGUK	8.49795798						3.46396766		-0.017351		0.00530392
SNORD14C				69.3228697			3.9254719		1.08456416		0.00538446
SNORD22	84.9472209		0.44462209				2.22142715		2.7297392		0.00568821
SNORD52		7.71396349					2.95000058			3.29E-05	0.00568821
SNORD13							10.9227153				0.00583154
FBXL13	8.78275521						3.53110893			3.56E-05	0.0060272
SNORA72			0.78183161				4.01427682				0.00621697
NEURL3							3.79420648				0.00684046
SNORA65	15.1297875						3.09562983			4.37E-05	0.007175
ZNF732							2.98311322				0.00718947
SNORD105B				47.5910254				4.00019971			0.00735544
ARL6							2.40635696				0.00801906
SNORD65							3.30953209				0.00866419
RNA5-8S5							3.86885476				0.00874577
BIK				20.6490699			2.03861632				0.00951811
NR4A3				65.7515933		3.655683		1.63947465			0.00995608
CKAP2L							3.18850947			7.03E-05	0.010681
FGF14-AS2							3.16024494				0.01191239
LINC01465							2.74906321				0.01260199
SNORA57							3.64862478				0.01278236
ABCA6				40.5999734		2.0013492		1.20944045			0.01289597
	5.45663247						5.94740397		-0.090981		0.01289597
CNR1	5.45663247						5.94740397		-0.090981		0.01289597 0.01308379
		14.4657462		29.2833641	5.77959932	1.638068		1.26476658 -1.2366604			
BIN3-IT1 MIR6774		10.9977996					3.53161592				0.01309694 0.01310812
STARD13							2.42322184				
	14.5935413								-0.6774895		0.01404555
FGFR4							2.11795443		-0.519066		0.01574675
ADGRG7	35.5882429						8.68958121				
RNVU1-7							3.94119154				
CDC25C							2.81709039				
NLRP9							3.17651808				
KIAA1549							2.45684622				
SNORD31							2.13550683				
EGR3							3.17478013				
SNORD78							4.33512038				
RNU2-1							5.08752273				
ORM1							2.69460995				
SPA17							2.44615617				
MIR5196							2.52270753				
ST8SIA5							1.95137524				
MAOA							2.48204773				
SNORD27							3.03846146			0.00017333	
LINC01270							3.49118439				
MIR6516							3.01517637				
PSMB8			1.27171407				2.69606315				
RAD51B							1.87173371				

PALLD	248.666196	86.9313337	0.34959048	392.780386	330.100926	0.84042111	1.57954878	0.65951249	3.99045904	0.00019108	0.02235925
LOC1019288	26.5767394	21.4160854	0.80582065	70.5840882	203.553939	2.88385023	2.65585959	1.40917888	1.27505028	0.00021703	0.02521414
LOC1005056	55.2740168	23.518521	0.42548963	103.699496	192.947621	1.86064185	1.87609842	0.90773551	1.97925304	0.00022743	0.02623497
LINC00189	20.5035182	24.178444	1.17923392	55.8854619	123.734351	2.21407048	2.72565232	1.44660155	0.90677629	0.00023097	0.02645566
COL19A1	51.9537456	50.2380038	0.96697559	120.585191	196.078692	1.62605947	2.32101054	1.21475307	2.07417484	0.00023351	0.02656015
PIWIL2	12.9063287	9.34941533	0.72440549	34.2708543	118.618057	3.46119347	2.65535268	1.40890349	0.26962323	0.0002481	0.02802272
RORB-AS1	749.323194	656.076538	0.87555883	2183.83882	6213.86902	2.84538812	2.91441509	1.54320637	6.12146758	0.00025889	0.02904037
ZNF583	84.6977601	27.5438554	0.3252017	151.88023	255.963712	1.68529974	1.79320244	0.84253837	2.54580188	0.00033389	0.03719665
KCNQ1OT1	374.07237	297.515268	0.79534147	241.968754	92.3261473	0.38156227	1.54595321	-0.6284967	4.02151498	0.00035161	0.03871642
EEF1DP3	20.331933	15.1995494	0.7475703	55.6187887	197.398468	3.54913282	2.73553865	1.45182494	0.90614626	0.00035636	0.03871642
FAM21EP	90.1114835	34.4445347	0.38224357	161.732211	298.189714	1.84372495	1.79480134	0.84382417	2.64386496	0.00035652	0.03871642
ZNF639	542.501054	123.16309	0.2270283	722.307067	281.818958	0.39016503	1.33143901	0.41298635	4.9819571	0.00035706	0.03871642
SLC39A5	14.6924677	11.191945	0.76174712	7.14949244	5.99863729	0.83902981	2.05503647	-1.039164	-0.5422852	0.00035943	0.03871642
EFCAB11	33.7975163	19.0726476	0.56432098	72.3650007	189.391654	2.61717201	2.14113369	1.09837488	1.4019426	0.00036645	0.03921276
MAGT1	1457.53832	416.042289	0.28544175	2018.67741	1288.77801	0.63842693	1.38499097	0.46987657	6.42452394	0.00037092	0.03929837
TRIM10	22.0723033	32.9811335	1.49423162	61.8793823	200.573655	3.24136485	2.8034855	1.48722161	1.05400104	0.00037208	0.03929837
MIR4537	21.5532105	26.2374447	1.21733348	68.5662403	222.110408	3.23935522	3.18125415	1.66959563	1.12452478	0.00037736	0.03959887
WNT2B	11.9877434	8.63520395	0.72033607	30.6504383	99.4822656	3.2457045	2.55681467	1.35434759	0.15311526	0.00038077	0.03970011
TMEM178B	27.2374272	25.7747185	0.94629784	13.9006151	8.75460589	0.62979989	1.95944043	-0.9704417	0.18618915	0.00039874	0.04112094
KRT23	22.1763727	18.1669469	0.81920281	56.8110075	158.455388	2.78916702	2.56178087	1.35714708	0.99598334	0.00040296	0.04112094
RNVU1-18	738.148162	797.441485	1.08032713	2772.44001	8652.81514	3.12101078	3.75593972	1.90917391	6.3664347	0.00041714	0.04112094
RNU1-27P	738.148162	797.441485	1.08032713	2772.44001	8652.81514	3.12101078	3.75593972	1.90917391	6.3664347	0.00041714	0.04112094
RNU1-1	738.148162	797.441485	1.08032713	2772.44001	8652.81514	3.12101078	3.75593972	1.90917391	6.3664347	0.00041714	0.04112094
RNU1-28P	738.148162	797.441485	1.08032713	2772.44001	8652.81514	3.12101078	3.75593972	1.90917391	6.3664347	0.00041714	0.04112094
RNU1-3	738.148162	797.441485	1.08032713	2772.44001	8652.81514	3.12101078	3.75593972	1.90917391	6.3664347	0.00041714	0.04112094
RNU1-2	738.148162	797.441485	1.08032713	2772.44001	8652.81514	3.12101078	3.75593972	1.90917391	6.3664347	0.00041714	0.04112094
RNU1-4			1.08032713		8652.81514	3.12101078	3.75593972	1.90917391	6.3664347	0.00041715	0.04112094
SRD5A3	203.936012		0.46027789							0.00044621	
MAGIX	30.0035617	17.276995	0.57583147	81.4085393	317.869324	3.90461893	2.71329585	1.44004636	1.45612118	0.00045413	0.04423053
LAMA1	23.384643		3.60766744							0.00047954	
VGLL3	27.7358522		4.94943978								0.04620624
	13.5088305									0.00049382	
MORN2	26.6272111		0.61413777								
SNORA27			0.76768336							0.00051034	
C20orf195			0.91593683								
SENP8										0.00051326	
DIAPH3			0.88555776							0.00051623	
LILRB4	1753.79785		0.30598456							0.00052362	
RPS15AP10	48.6598853		0.6005678	30.98658						0.00052664	
LOC641367			0.47449114							0.00052864	
NCAPG2		99.5996641			518.496316					0.00053171	
MACROD2			0.96917969								
TMEM163	21.6675721	17.1647307	0.79218524	58.5595422	213.568406	3.64702998	2.70263516	1.43436677	0.99154813	0.00054755	0.04920363