

Supplementary File 4

Common DEGs in MSS vs MSI-H cases

Common DEGs in MSS vs MSI-H comparisons					
Gene	GSE18088	GSE4554	GSE24551	GSE29638	GSE25071
CALB1	-1.3555	-2.0565	-1.5538	-0.56636	
BCL2A1	-0.9116	-1.4322	-0.82205	-0.32725	-1.1257
PLK2	-0.63752	-1.4895	-0.83026	-0.30702	-1.052
CRIP1	-1.4161	-1.9091	-0.62105	-0.8498	-0.78602
CRYZ	-0.76455	-1.061	-0.57274	-0.72359	-0.16499
OXCT1	-0.89631	-1.3895	-0.9509	-1.0242	-0.59308
REG4	-2.0653	-2.5093	-2.3985	-1.1953	-1.1577
SDR16C5	-1.4555	-1.4728	-1.0997	-0.53337	-0.35533
SERPINB5	-0.91673	-0.72992	-0.82184	-0.37654	-0.24149
PBK	-1.0719	-0.90322	-0.86879	-0.7251	-0.5062
S100A14	-0.97817	-0.69904	-1.0579	-0.66751	-0.55577
IQGAP2	-0.40142	-0.68752	-0.72573	-0.82193	-0.54093
SLC7A11	-0.74097	-0.99022	-1.0639	-0.8419	-0.75464
REG1A	-0.25598	-1.8923	-1.9404	-0.8711	-2.345
LYZ	-1.0561	-0.85295	-0.79915	0.23138	-0.90137
PLA2G2A	-1.4342	-1.2042	-1.1969	-0.22679	-2.5095
MT1E	-1.1058	-1.6942	-0.29945	-0.12958	-1.0735
EIF5A	-1.572	-2.0937	-0.09393	-0.13024	-1.1092
CTSE	-1.4721	-1.1218			-1.1451
GZMA	-1.4902	-1.2765	-0.91311	-0.24288	-1.3439
MT1H	-1.0045	-0.98394	-0.21931	-0.25534	-1.0017
RARRES1	-1.4065	-1.4619	-0.65093	-0.48181	-1.2084
SLC1A1	-1.0064	-1.4423	-0.86134	-0.6059	-0.91615
HPSE	-0.74786	-1.0497	-0.74906	-0.46385	-0.85328
DUSP4	-1.2538	-2.1828	-0.74718	-0.48146	-1.2448
ENO2	-0.81714	-1.5325	-0.60741	-0.36632	-0.93381
PLA2G4A	-1.6429	-2.3844	-1.3002	-0.41515	-1.8169
CCL5	-1.0587	-1.5293	-0.66905	0.008335	-1.1306
CXCR4	-0.91541	-1.2857	-0.82059	-0.30436	-0.79134
GZMK	-0.73671	-0.83502	-1.067	0.10881	-1.6421
CA2	-1.2828	-1.4144	-0.45386	-0.23389	-2.1047
GNLY	-1.1185	-1.8205	-0.58028	-0.15812	-2.4785
FCER1G	-0.65	-1.0438	-0.61048	-0.32346	-1.0364
WARS	-0.94401	-1.2014	-0.76433	-0.46469	-1.4105

CCL18	-0.89973	-1.743	-0.96481	-0.59718	-2.4859
IDO1	-1.1965	-1.3331	-1.0012	0.039709	-1.5176
GPR171	-0.68781	-1.2542	-0.59971	0.13393	-1.1885
CXCL10	-1.1629	-0.95769	-1.228	-0.58338	-1.9622
TNFRSF11A	-0.82866	-0.73243	-0.85318	-0.54191	-1.4421
CXCL9	-1.3016	-1.0378	-1.2533	-0.44132	-2.3909
HLA-DMB	-0.72964	-0.74787	-0.68196	-0.31945	-1.3736
CCDC68	-0.86873	-0.83121	-0.83004	-0.35193	-1.442
KCNK1	-0.68	-0.27173	-0.77812	-0.38752	-0.9063
CXCL13	-1.9344	-1.2567	-1.8955	-0.88093	-2.2198
AGR3	-2.0894	-1.1319	-1.7137	-0.8465	-1.8585
FUT8	-0.90013	-0.83869	-0.8186	-0.62988	-0.85384
IL1R2	-0.82116	-0.94964	-0.76373	-0.72061	-1.0595
TYMS	-0.86059	-1.072	-1.1209	-0.73666	
AGR2	-1.1875	-1.4778	-1.6404	-0.82755	-1.5883
MCUB	-0.68085	-0.95388	-0.95596	-0.51179	-1.1071
GSR	-0.66345	-0.61036	-0.66224	-0.37205	-0.87859
SLC18B1	-0.74986	-0.80956	-0.98758	-0.34069	-1.1101
GSKIP	-0.68141	-0.57477	-0.99108	-0.75241	-1.0576
FAS	-0.62387	-1.3091	-0.93137	-0.67687	-1.1348
SAMD9L	-0.60068	-1.0305	-0.7924	-0.68579	-0.91743
RAB27B	-0.85319	-1.3701	-1.4188	-0.90112	
KDELR3	-0.50893	-1.0823	-1.0517	-0.60597	-1.1012
HSPA4L	-0.86396	-1.76	-1.9407	-1.2161	-1.9195
BST2	-0.76891	-1.104	-0.84467	-1.0811	-1.5439
SKA1	-0.54783	-0.88885	-0.73752	-0.65768	-1.1826
SGMS2	-0.34755	-0.721	-0.77075	-0.6171	-1.1273
WDR76	-0.49091	-0.7521	-0.65287	-0.84429	-0.85011
SPP1	-0.56926	-0.99938	-0.98091	-1.659	-0.98963
TFF2	-0.34277	-2.018	-0.85358	-0.77348	-0.00188
ANXA10	-0.65851	-2.1606	-0.75236	-0.71515	
AZGP1	0.53317	0.67573	0.78073	0.88644	3.0982
CCL24	0.91045	0.6833	0.42839	0.6145	3.205
LRP1	0.046871		0.58721	0.63047	0.69929
SERPINE2	0.5363	0.44378	1.0147	1.2602	1.9241
DEFA5	1.259	1.6447	-0.01467	0.12526	1.359
LEFTY1	2.4464	1.7672	0.62449	0.21292	2.4586
AGT	1.0972	0.63104	0.33871	0.22337	1.25
APOLD1	1.324	0.84334	0.67223	0.2202	1.202
TGFBI	1.1953	1.0757	0.7368	0.43718	1.4889
VAV3	1.9722	1.8251	0.5612	0.48769	1.5929
EPDR1	1.6726	1.565	0.55655	0.4892	1.5307
SERINC3	0.82805	0.90991	0.32601	0.36039	0.92316

SLC22A3	0.30586	1.3692	1.1263	0.4644	1.7288
MUC20	0.52586	1.9743	1.1751	0.55828	1.836
CEACAM1	0.4603	1.3952	0.96762	0.42656	1.4983
CADPS	0.34893	1.6319	1.0889	0.99648	1.7726
PTP4A3	0.33304	1.1799	0.59348	0.67656	1.1772
DUOX2	0.3294	2.5011	1.3843	1.2893	2.2213
SLC26A2	1.067	2.0245	1.1542	0.74089	1.5987
PROX1	0.70435	1.4336	0.80115	0.38918	1.2074
SEMA5A	0.82449	2.1225	1.2504	0.79087	1.5042
GNG4	0.82095	1.7716	1.9509	0.8564	1.9849
GRM8	0.62783	1.485	1.5769	0.94194	1.385
HMGCS2	0.6496	1.9425	1.2641	0.70369	1.2451
SLC39A5	0.38616	1.9698	1.3941	0.84001	1.3596
MPP1	0.58822	1.1182	0.99156	0.58427	0.88705
PLA2G12B	0.68744	1.4372	1.0839	0.79786	1.1385
ACE2	1.2404	2.8813	2.5366	2.2025	2.1813
GPX2	0.71159		0.88278	0.10255	1.197
CDX2	0.91664	1.4402	0.7481	0.16381	1.1999
AOC1	1.1728	1.3021	0.8809	0.50846	1.1839
UGT2A3	1.2254	1.3504	1.0847	0.31204	1.4556
CLDN3	0.90833	0.92924	0.84894	0.3404	1.1385
CHN2	0.81633	1.215	0.72346	0.39215	1.621
LRRC19	1.064	1.4238	0.86442	0.45054	1.5709
DACH1	1.4778	2.132	1.189	0.57148	2.3201
OLFM4	1.7204	2.6138	1.4625	0.50765	2.8682
CEL	2.4123	3.2114	1.4424	0.7732	
QPRT	1.5965	1.9276	0.93508	0.57889	3.2582
HSD11B2	0.68718	1.186	0.85486	0.15261	1.2326
GUCY2C	1.0874	0.95384	1.1018	0.47381	1.9716
LY75	0.61351	0.76196	0.65202	0.30904	1.1802
CXCL14	1.9415	2.0808	1.4059	0.89368	3.5668
QPCT	1.3321	1.7281	1.0998	0.92602	1.5266
SESN1	1.0752	1.1494	0.85312	0.72386	1.1899
PPP1R14D	1.3057	1.5709	1.051	0.67186	1.6742
NUBPL	0.8078	0.94752	0.6927	0.53062	1.0557
KRT20	2.0144	2.5033	1.5734	1.479	3.0827
EDN1	0.2169	1.0092	0.86178	0.28289	2.2052
PCP4	0.61197	2.6674	0.88031	0.74609	
GPR143	0.8677	1.9531	0.66654	0.46322	
LY6G6D	1.0403	1.8803	0.80864	0.59153	4.1279
MLH1	0.74381	1.0848	1.1669	1.1637	2.1392
MMP7	1.0372	1.0058	1.0443	1.1392	2.3336
SLC19A3	0.38962	1.2745	1.0436	1.0521	

EPM2AIP1	0.4453	1.1173	0.94903	0.95294	1.8447
SELENOP	0.47708	1.1035	1.089	0.84641	1.9476
RNLS	0.32896	0.91759	0.89404	0.62421	1.7731
SLC3A1	0.70032	1.1704	0.9075	0.48694	1.8757
CEACAM6	0.91055	1.528	1.0066	0.74159	
AXIN2	0.83942	1.4235	1.0182	0.81798	2.109
TTC37	0.65208	0.81701	0.66153	0.46615	1.3115
PRAP1	1.2002	1.825	1.4202	0.90433	2.7576
DPEP1	1.2362	2.0773	1.1779	0.86156	3.3868
ZDHHC9	0.81901	1.1725	0.76465	0.45359	1.8542
KHDRBS3	0.49696	1.589	0.91779	0.74685	2.6037
FREM2	0.71646	1.8827	1.141	0.91857	
EREG	0.93009	1.703	1.2418	1.6649	1.3448
GGH	0.94203	1.8338	0.85905	1.1643	0.99835
SRPX2	0.48458	1.0547	1.4036	1.2839	1.2808
SLC26A3	1.2059	2.4746	2.776	2.6547	3.6022
POFUT1	0.28915	0.98493	0.9968	0.76845	1.327
NAALADL2	0.1407	0.92574	1.1383	0.73192	0.86601
CYP2B6	0.8367	2.053	1.6969	1.4428	2.4304
SLC2A12	0.56546	1.2376	1.0926	0.93136	1.2571
ERP27	0.68853	1.4454	1.2552	1.0671	1.5773
ZMYND8	0.47914	0.93489	0.85278	0.50778	1.3789
FABP1	1.5055	2.7321	2.2859	1.6738	3.4901
GAS2	0.58709	1.2058	0.64902	0.61339	
SOSTDC1	0.64637	1.1929	0.69462	0.71331	1.0181
KRT23	2.1347	4.0092	2.5524	2.346	3.4582
SEMA3C	0.80886	1.4369	0.89338	0.72575	1.3534
A1CF	1.1893	1.9586	1.0346	0.91846	2.0774
IYD	0.76321	1.5048	0.83887	0.53532	1.4786
MEP1A	1.6631	1.7687	1.8378	1.1398	2.1846
TSPAN6	1.2193	1.4755	1.2404	0.90566	1.0624
YWHAB	0.68559	0.79633	0.59648	0.393	0.66296
RNF43	1.4021	1.5568	1.4148	0.83709	1.4256
ID1	1.1578	1.4278	1.2125	1.1163	1.465
TMEM176A	1.1935	1.745	1.333	1.0174	1.5687
DDX27	0.66877	1.1104	0.96063	0.72344	1.1391
TM9SF4	0.62477	0.67385	0.70092	0.50993	0.93394
C8orf33	0.59022	0.69804	0.6544	0.51354	0.85465
PLAGL2	0.80981	1.3869	1.4775	1.0582	0.89091
ENPP3	1.2319	1.5231	1.7321	1.1531	
AMACR	0.67197	0.89993	0.93747	0.53701	1.1584
FARP1	0.70382	1.0183	1.25	0.60753	0.80549
DPM1	0.61912	0.67712	0.66624	0.7048	0.721

OXGR1	0.73346	0.78312	0.99098	0.98801	
PAN3	0.55548	0.65655	0.73847	0.7275	0.93515
APCDD1	1.0408	1.1752	1.3567	1.1778	1.4573
CAB39L	0.99843	1.1286	1.583	1.331	
DAB2	0.41297	1.0254	0.63332	0.59287	0.42234
SPINK1	1.2388	2.6304	2.0288	1.1376	0.92823
DDC	0.57254	1.3	0.86801	0.53033	0.95515
ASCL2	1.084	1.9523	0.94414	0.55539	0.81128
C10orf99	1.7514	2.9883	1.5736	0.99566	1.6029
TDGF1	2.0971	2.8775	1.6966	1.1799	1.4295
LAPTM4B	1.0248	1.4002	0.79281	0.58626	0.89047
PRR15	1.0045	1.6002	1.1257	0.37543	0.8895
PLCB4	2.216	2.0442	1.462	0.82693	1.4643
SMAP1	0.94728	0.85035	0.69362	0.32565	0.6169
GPR160	1.0793	1.2854	0.80238	0.3046	0.78878
NOX1	1.7262	1.6234	1.8833	0.76232	1.2138
PMEPA1	1.2487	1.2946	1.3526	0.84981	0.76516
RAB5IF	0.63052	0.8048	0.59471	0.34093	0.47912
RUBCNL	1.9027	2.1839	1.8144	0.86745	1.6202
AREG	0.56288	0.85792	1.4285	1.0245	0.76284
HSPH1	0.8396	0.94963	1.5913	0.75336	0.49539
PTPRO	0.68232	1.0645	1.1672	0.47531	2.2276
TINAG	0.61224	0.67323	0.92953	0.19471	1.4795
FCGRT	0.62696	0.86639	0.93649	0.1061	0.93069
DNTTIP1	0.73361	0.66828	0.89764	0.28714	0.99168