

Supplementary Table S3. Correlation analyses of DEGs (FC > 2, p < 0.05) between Control, Mild / moderate and Severe Groups

FlattenCorrMatrix function analyses of DEGs (normalized counts) versus Temperature (°C) loss ; FC and p value shown for each group comparison. * p<0.05, **p<0.001, ***p<0.0001

Temperature_correlated	CORRELATION	Pvalue	Control vs Mi	Control vs Mi	Control vs Se	Control vs Se	Mild vs Sever	Mild vs Severe	Pvalue
Irgb2l	-.644*	0.023823926	2.43295706	0.00527798	4.07038629	1.2121E-05	1.63742989	0.00635659	
Ly6g	-.766**	0.003654076	1.53686777	2.4028E-05	3.10543613	5.7651E-08	1.56856826	0.00016985	
Slc16a7	.656*	0.020502295	-1.1474305	0.0315472	-1.4288419	0.01272209	-0.2814123	0.6061695	
Cish	-.609*	0.035448823	2.56169191	1.3509E-08	3.07553225	2.5862E-07	0.51384022	0.1865226	
Hsd3b6	.595*	0.041403611	-3.2336992	0.00088019	-3.9870474	0.00259181	-0.7533593	0.19696516	
Slc27a3	.644*	0.023905975	-1.2988443	0.04245059	-1.4623416	0.04341183	-0.1634982	0.82100827	
Sult1a1	.632*	0.02751934	-1.3317092	0.00158766	-1.3765617	0.03758458	-0.0448537	0.93881541	
Cx3cr1	.635*	0.02648561	-2.3959284	6.7516E-05	-2.2921783	0.00073994	0.10374855	0.87336209	
Cd200r3	.786**	0.002444975	-1.0294166	0.00548866	-1.9737672	0.00023732	-0.9443514	0.05074854	
Dtna	.673*	0.016371576	-1.277534	0.00481041	-1.379412	0.03081806	-0.1018792	0.84267458	
Naip6	.729**	0.007158685	-1.5443206	0.00020488	-1.5525394	0.00944599	-0.0082199	0.98821592	
Retnlg	-.742**	0.005740774	1.36847136	0.00010655	2.26044835	2.0086E-06	0.89197635	0.03951495	
H2-Q10	.714**	0.009029536	-1.3614565	0.00103432	-1.4545643	0.02295465	-0.0931089	0.86767372	
Tnip3	-.616*	0.032869378	1.67331692	0.01553594	2.34826201	0.00019412	0.67494421	0.18453928	
Efhc1	.646*	0.023214886	-2.4531711	0.0038582	-1.7686723	0.03422827	0.68449778	0.47282518	
Gadd45g	-.620*	0.031671698	1.86789602	3.6995E-07	2.32192809	1.8473E-05	0.45403191	0.22100348	
Kcna4	.588*	0.044553422	-1.1363216	0.00630155	-1.450955	0.02572807	-0.314635	0.51783088	
Nr3c2	.688*	0.01345604	-1.7369654	0.00214335	-1.9999982	0.00295557	-0.2630338	0.68142957	
Stx3	.658*	0.02013423	-1.338802	0.00081031	-1.159477	0.03370709	0.17932404	0.69200624	
Gpr68	.800**	0.001764131	-1.1551915	0.00115955	-1.5873513	0.00937905	-0.432161	0.41169369	
Rcn3	.629*	0.028373999	-1.1894778	0.02498878	-1.6560442	0.00805511	-0.4665672	0.44762541	
Echdc3	.687*	0.01355227	-1.5600873	0.03610834	-1.938597	0.02589103	-0.3785109	0.66813227	
Tdgif1	-.777**	0.002930473	2.62560288	0.00015536	3.49185162	4.5627E-06	0.86624879	0.03964212	
Inafm1	.588*	0.044342343	-1.0681716	0.00864313	-0.9816205	0.04768562	0.08655043	0.85336932	
Ms4a2	.646*	0.02325972	-3.6911604	6.8017E-08	-4.3692293	1.7966E-06	-0.6780708	0.53682038	
Wwtr1	.664*	0.018522502	-2.2584116	5.789E-06	-2.5667238	0.00019258	-0.3083148	0.49170795	
Apoe	.766**	0.003648284	-1.2774115	0.00027407	-1.9301864	0.00260799	-0.652777	0.18272022	
Flt3	.586*	0.045202053	-1.9947629	0.00237255	-1.4959557	0.03238805	0.49880611	0.46439364	
Cpne4	.632*	0.027556082	-1.3493046	0.00447007	-1.8853558	0.00155303	-0.5360524	0.2698804	
Itm2a	-.720**	0.008267788	0.43295884	0.34489651	1.45690801	0.02573579	1.02394815	0.01905032	
Cd55os	.667*	0.017868438	-0.3749215	0.31984244	-1.6342782	0.0041738	-1.2593578	0.01009182	
Cyp2s1	.603*	0.03799845	-0.3317094	0.45178001	-1.4545643	0.02219106	-1.122856	0.02753052	
Tigit	-.591*	0.043097148	-0.7369656	0.36188028	1.8875251	0.00737135	2.62449017	4.6776E-05	
Ret	-.615*	0.033397827	-0.2515387	0.83023083	2.51096003	0.01028348	2.76249901	0.00084791	
Slc9c1	.593*	0.042260177	-0.7935492	0.24318549	-3.1154731	0.0020358	-2.3219256	0.01344198	
Gpr174	.587*	0.044807298	-0.1310641	0.69388071	-1.4362837	0.00525012	-1.3052207	0.0017327	
Postn	-.708**	0.009950986	0.05658308	0.93458228	1.99999974	0.00666691	1.94341623	0.00120514	
Cr2	.812**	0.001325322	-0.29536	0.32779448	-1.9177781	0.00179455	-1.6224285	0.00152145	
Dapl1	.651*	0.021724206	-0.1778433	0.59574533	-1.4408758	0.01663041	-1.2630336	0.00651255	
Gbp11	-.744**	0.005484191	0.58953483	0.15558261	2.41825429	1.8442E-05	1.82871909	9.7676E-05	
Vmn2r84	.651*	0.021753307	-0.0961501	0.7461885	-1.4470263	0.00316852	-1.3508772	0.0002625	
Tafa3	-.788**	0.002358745	0.16349819	0.18189193	2.01792169	0.00328822	1.85442305	0.00034461	
Ncr1	.602*	0.038349007	-0.2648974	0.46291723	-1.3952276	0.00981602	-1.1303313	0.0054012	
Crybg1	-.580*	0.048057974	-0.1662171	0.53403105	1.3105692	0.01831541	1.47678557	0.00083238	
Cd14	-.662*	0.019141334	1.05117669	0.1546966	2.2843748	0.00026861	1.23319595	0.00492003	
Angpt1	.647*	0.022870067	-0.2869524	0.42350925	-1.3087105	0.0146654	-1.0217597	0.00822972	
Rundc3b	-.660*	0.019480324	0.33482465	0.44392357	1.9446676	0.00075419	1.60984237	0.00120146	
Krt83	-.640*	0.024959499	-0.6214883	0.49723173	1.52356184	0.04401871	2.1450497	0.0018861	
Mt1	-.810**	0.001403253	0.97924021	0.26207749	2.58496149	0.0008776	1.60572092	0.00419222	
Tamalin	.623*	0.030486591	-0.2713023	0.65775305	-1.9999976	0.02202267	-1.7286965	0.02638765	
Map2	-.665*	0.018285222	-0.336428	0.60322189	1.46466846	0.02440535	1.8010958	0.00214587	
Crisp3	.655*	0.020863971	-0.123989	0.845224	-1.9175353	0.03952347	-1.7935475	0.02782938	
Ifi208	.602*	0.038521171	-0.0355339	0.9183479	-1.20635	0.02795634	-1.1708171	0.00884441	
Abca13	-.585*	0.045820359	0.36363785	0.43706405	1.61274609	0.00534708	1.2491076	0.01269299	
Zfp229	.689*	0.013165884	-0.2612324	0.56090396	-1.3275732	0.03383084	-1.0663418	0.03434136	
Eya2	.663*	0.018661744	0.13093055	0.77416146	-1.9296088	0.00659866	-2.0605403	0.00075759	
Adpgk	-.677*	0.015590854	0.12027852	0.61464188	1.4459542	0.00525653	1.32567502	0.00083531	
Lsamp	.771**	0.00329775	-0.7369657	0.21178878	-2.1993064	0.00679364	-1.462342	0.04628839	
Acod1	-.597*	0.040299938	0.47212936	0.34616765	1.97916998	0.00331305	1.50703975	0.00118257	
Fras1	.658*	0.019948495	-0.2439259	0.66572341	-1.5849607	0.04106174	-1.3410359	0.0466173	
Unc80	-.749**	0.005068751	-0.1963975	0.80834154	2.12553049	0.00214576	2.32192766	6.8684E-05	
Abcb1b	-.583*	0.046623318	-0.2789762	0.48829596	1.30117009	0.02546965	1.586014564	0.00138057	
Trbv24	.681*	0.014773318	-0.0848893	0.90349567	-2.222389	0.03583558	-2.1375012	0.02213539	
Il7	.658*	0.020060182	-0.9484698	0.18950406	-2.8744654	0.00150837	-1.9259978	0.01057997	
Ndufaf8	.841**	0.000607989	-0.3697568	0.32708547	-1.6655796	0.00425506	-1.2958237	0.00850549	
Ccr6	.688*	0.01345035	-0.3100348	0.49151965	-2.1615869	0.00100551	-1.8515533	0.00224437	
Nacc2	.680*	0.014931145	-1.0748942	1.3003E-05	-0.9417831	0.16998632	0.13310953	0.81044373	
Rpl35a-ps2	.702*	0.010965849	-1.1794839	0.01564123	-1.3356014	0.0499472	-0.1561186	0.80082065	
Galnt9	.579*	0.048516284	-1.3625701	0.00654627	-1.1255294	0.09343086	0.23703956	0.68574349	
Podnl1	.579*	0.048687225	-1.0381352	0.02483836	-1.1312431	0.07076268	-0.0931089	0.86468358	
Rarg	.626*	0.029513407	-1.1061995	5.4108E-05	-0.9262885	0.1386185	0.17990966	0.72448551	
Igha	.591*	0.042984593	-1.1586061	0.00901152	-1.2443781	0.06237609	-0.0857742	0.85697249	
Tm4sf1	.659*	0.019799252	-1.8194276	0.00246669	-2.1699186	0.05611827	-0.3504967	0.53244959	
Lrrc75b	.643*	0.024218904	-1.2317302	0.0420202	-1.1993074	0.09031171	0.0324219	0.96168358	

Acsbg3	.582*	0.047005472	-1.6629643	0.03911352	-1.6629627	0.06315083	3.7323E-07	0.99999968
Rorb	.619*	0.03195983	-2.1154749	0.04389638	-2.1154737	0.05319573	2.9037E-16	1
Icosl	.588*	0.044502119	-1.02276	1.1594E-05	-0.6856168	0.29211924	0.33714181	0.51776576
N4bp3	.699*	0.011351574	-1.4374053	0.0012593	-1.4374031	0.05796073	6.0927E-07	0.99999928
Proser2	.667*	0.017929372	-1.1019625	0.00034381	-0.8936897	0.1223962	0.02827176	0.66524994
Ighg2c	.590*	0.043668072	-2.5849598	0.01208424	-2.5849584	0.0162527	2.9037E-16	1
Hotairm1	.614*	0.033584246	-1.6984912	0.00656039	-1.3765618	0.05065557	0.32192836	0.62867315
Ighg2b	.648*	0.022566909	-2.0054539	0.00471794	-2.5579886	0.03367153	-0.5525401	0.48245434
Tie1	.796**	0.001945013	-0.7484614	0.03512843	-1.2425693	0.01377089	-0.4941086	0.25013667
Ttll11	.877**	0.000177103	-0.5139294	0.02530881	-1.0751861	0.03451563	-0.5612577	0.15207696
Stfa2	-.601*	0.038711627	0.78812484	0.12215848	1.37715804	0.04705439	0.58903265	0.30076285
Triqk	.695*	0.012182793	-0.4850936	0.24875712	-1.3902322	0.0296885	-0.9051401	0.05514419
Ly86	.748**	0.005161977	-0.4298565	0.23133402	-1.2092872	0.03467758	-0.7794318	0.11173892
Fam124b	.783**	0.002617347	-0.5305148	0.49673688	-2.1154739	0.04678808	-1.5849605	0.10947545
Msh4	.714**	0.009137767	-0.6418086	0.2306893	-1.4150361	0.02997858	-0.7732283	0.21594916
Sowahc	.694*	0.012234174	-0.8950306	0.00794014	-0.9630479	0.04288922	-0.068018	0.86690292
Synpo	.827**	0.000906915	-0.8702322	0.10312199	-1.8020588	0.01437553	-0.9318277	0.15953845
Ophn1	.847**	0.000508404	-0.4776496	0.08661869	-1.2619196	0.01111991	-0.7842708	0.04984049
Slc35e3	.709**	0.009790389	-0.9245927	0.01703917	-1.3131563	0.04180235	-0.3885647	0.47865194
Zfxh4	.614*	0.034690193	-0.9175377	0.27953153	-2.180569	0.03258416	-1.2630328	0.18319943
Ltbp4	.588*	0.044336787	-0.7754399	0.15951174	-1.855608	0.01562381	-1.0801694	0.10612136
Trpc6	.757**	0.004385488	-0.3901668	0.20276536	-1.2252637	0.01310611	-0.8350981	0.03511064
Nbea	.652*	0.021593654	-0.996528	0.02253259	-1.2354864	0.03785213	-0.2389598	0.57814481
Il4ra	-.612*	0.034381576	0.76791271	0.00640065	1.68793578	0.00040407	0.92002245	0.02856667
Rab27b	.771**	0.003337793	-0.3145391	0.26137473	-1.04035	0.03437019	-0.7258121	0.05563053
Hba-a1	-.607*	0.036533801	0.56062878	0.08549454	1.15471829	0.04017112	0.59408781	0.16167817
Izumo1r	.630*	0.027984435	-0.4167461	0.26049034	-1.2767569	0.01607575	-0.8600117	0.04962587
H4c9	.728**	0.007302288	-0.3775269	0.17854487	-1.1058316	0.01706506	-0.7283057	0.0401529
Xkr6	.649*	0.022502435	-0.6082326	0.12882452	-1.3770681	0.01371877	-0.7688368	0.05564729
Plp1	.726**	0.007489038	-0.3484669	0.23230838	-0.9976102	0.03052937	-0.6491441	0.09646648
Heatr9	.646*	0.023186052	-1.2933587	0.05457183	-1.7369637	0.02547852	-0.443606	0.56860998
Sh3pxd2a	.694*	0.012336826	-0.8297424	0.01425538	-1.3325739	0.01332547	-0.5028325	0.26729113
Pdk1	.734**	0.006569745	-0.4801011	0.04042724	-0.983674	0.02959603	-0.5035738	0.11552359
Tspan17	.785**	0.002503339	-0.9182956	0.0086489	-1.5002684	0.01389829	-0.5819745	0.20126124
Robo3	.623*	0.030444933	-0.8171361	0.19952561	-2.3025607	0.00196797	-1.4854254	0.05031849
Khdrbs3	-.733**	0.006715038	0.55581565	0.31532928	1.41278166	0.01866751	0.85696554	0.06762193
Cela1	.626*	0.029454985	-0.1830302	0.53085337	-0.9640007	0.04570135	-0.7809714	0.02656083
Clec2i	.583*	0.04679818	-0.4056673	0.29204804	-1.3970691	0.01620791	-0.991403	0.04170231
Sox18	.699*	0.011439702	-1.2674796	0.15864729	-2.1154739	0.04881551	-0.8479956	0.43154625
Gstm4	-.603*	0.037853874	1.18903219	0.22158062	2.35049574	0.01008723	1.16146336	0.06600855
Zkscan7	.639*	0.025361588	-0.5551275	0.1438573	-1.2143388	0.03391454	-0.6592122	0.17206341
Clec4e	-.585*	0.04580576	0.83782904	0.06270379	1.50583475	0.00602358	0.66800455	0.11442267
Cc2d2b	.912**	3.62044E-05	-0.5681467	0.06322245	-1.5074821	0.01173835	-0.9393365	0.05265751
Ccdc91	.822**	0.001044543	-0.7827694	0.01932279	-1.4608399	0.00686838	-0.6780714	0.14018402
Slc4a3	.593*	0.042145729	-0.8149681	0.27924555	-2.0779997	0.02705379	-1.2630329	0.15394726
Hpgd	.601*	0.038640491	-0.8670263	0.09377477	-1.5181293	0.02453591	-0.6511043	0.20641595
Serpinb6b	-.651*	0.021904992	0.1781452	0.65626185	1.15611966	0.03404817	0.97797393	0.02455946
Arhgef5	.646*	0.02333828	-0.9526943	0.11896678	-1.9999981	0.00677504	-1.0473047	0.14403328
Hspd1-ps4	.695*	0.012048553	-0.2616278	0.40331104	-1.2179995	0.01627333	-0.9563725	0.2462707
Plekhg5	.681*	0.014810866	-0.7052569	0.14146302	-1.3833273	0.02930119	-0.6780713	0.23831467
Cxcl5	.789**	0.002305641	-0.5443207	0.3143454	-1.4568559	0.0480982	-0.9125363	0.15921629
Al104432	.759**	0.004192691	-0.1902536	0.47930762	-1.1084725	0.0207866	-0.9182201	0.01056311
Ppp1r35	.829**	0.000855652	-0.4677791	0.13388183	-1.1154762	0.02983134	-0.6476978	0.1244833
Rgs6	.794**	0.002063656	-1.2223922	0.08137313	-1.8073528	0.03228042	-0.5849617	0.48509505
Igfals	.788**	0.002333755	-1.0848885	0.18998791	-2.2223891	0.03511539	-1.1375019	0.27360827
Ankrd35	.740**	0.005898562	-0.3047386	0.3487708	-1.3010802	0.00520291	-0.9963424	0.00966344
Eng	.638*	0.025548229	-0.8465902	0.11562166	-1.6851248	0.01854725	-0.8385358	0.18558218
Serpinb6a	.692*	0.012648469	-0.8836696	0.00841288	-1.2464811	0.02863487	-0.3628131	0.39151446
Bank1	.634*	0.026691651	-0.2881148	0.41417124	-1.2766772	0.03435026	-0.9885638	0.05445475
Alg1	.703*	0.010700606	-0.5808466	0.11541521	-1.1867672	0.0311646	-0.6059215	0.19068467
Ntrk3	.650*	0.022136595	-0.8579812	0.01740841	-1.3554793	0.01117634	-0.4974991	0.26180717
Ttll7	.800**	0.001794746	-0.5410456	0.20135119	-1.441508	0.03865953	-0.9004636	0.11301203
Klrk1	.670*	0.017220845	-0.7136153	0.04959899	-1.6600235	0.00483933	-0.9464094	0.05929226
Idi1-ps1	.793**	0.002108725	-1.3219277	0.0808949	-1.9999974	0.03085681	-0.6780709	0.46267831
Wnt5b	.579*	0.048533892	-0.8974304	0.1154381	-1.4930386	0.02506194	-0.5956091	0.3473414
Rasgrp3	.726**	0.007533533	-0.6667616	0.01452312	-1.1689515	0.03183567	-0.5021911	0.22664528
Nr1h4	.687*	0.013550578	-0.77596	0.18760937	-1.6438539	0.02717456	-0.8678942	0.36337427
Tnk2os	.815**	0.001234611	-0.5275124	0.30427224	-1.6076808	0.02969676	-1.0801694	0.09322267
Efemp1	.676*	0.015781753	-1.5254609	0.05526112	-2.6629614	0.00827199	-1.1375019	0.28095586
Il18r1	.829**	0.000863538	-0.5460557	0.01786997	-1.0249853	0.04055125	-0.4789306	0.20553007
Gng11	.632*	0.027319604	-0.3113749	0.34189682	-1.1469551	0.01687303	-0.8355817	0.02573972
Ankrd24	.668*	0.017646683	-0.6374301	0.1199763	-1.1180547	0.03936533	-0.4806254	0.30786185
Sytl4	.823**	0.001007905	-0.3501961	0.2072681	-1.0899529	0.0311285	-0.7397581	0.05786665
Mapk12	.693*	0.012521294	-0.5925759	0.2749996	-1.4150359	0.04373825	-0.822461	0.20248647
Gpr34	.695*	0.012058039	-0.2463307	0.55232945	-1.2269639	0.03578446	-0.9806339	0.05698
Rnase4	.754**	0.004616439	-0.4184363	0.33795792	-1.3325737	0.03935613	-0.9141386	0.06642014
Afap1l1	.798**	0.00187875	-0.7754399	0.02153829	-1.2937294	0.03359086	-0.5182908	0.28046988
Serpine2	.751**	0.004911161	-0.1946095	0.58016149	-1.1926436	0.03042619	-0.9980352	0.01823091

Adgrl2	.624*	0.030168674	-0.6438564	0.19319581	-1.2064497	0.04623098	-0.5625941	0.31174031
Akap5	.625*	0.029761019	-0.1713687	0.6562555	-1.1046962	0.04498999	-0.9333283	0.05081213
Lrrc6	.582*	0.047231287	-0.4374055	0.58793987	-2.1154739	0.04678808	-1.6780697	0.09348168
Snap47	.678*	0.015449455	-0.5988348	0.05706825	-1.1681989	0.03846017	-0.5693651	0.16945195
Cavin2	.758**	0.004257082	-0.1811599	0.47757359	-1.0145664	0.0377404	-0.8334076	0.02743442
Tanc1	.667*	0.017925816	-0.4806261	0.2192308	-1.2235046	0.02057125	-0.7428794	0.11547917
Zbed5	.805**	0.001571655	-0.4666633	0.11947815	-1.2735639	0.01281395	-0.8069014	0.04999596
Adamts1	.738**	0.006175006	-1.4374044	0.11127243	-2.1154739	0.04678808	-0.6780708	0.53682038
Trpc1	.862**	0.000310546	-0.5346576	0.09198031	-1.5057345	0.00346015	-0.9710778	0.02250339
Cbs	.742**	0.005774342	-0.6300506	0.23618885	-1.3785101	0.04780682	-0.7484605	0.21906078
Npas2	.728**	0.007271168	-0.9068906	0.15128653	-1.8479948	0.0228948	-0.9411054	0.19184901
Myadml2	.710**	0.009644903	-0.5925758	0.41865737	-2.0779999	0.02430378	-1.4854252	0.09236216
Vstm5	.694*	0.012284027	-1.495957	0.05063226	-1.8744667	0.03427718	-0.3785109	0.66813227
Ndufs5	.830**	0.00082576	-0.3219283	0.30449983	-1.2425693	0.01216858	-0.9206417	0.02292949
Trbj2-6	.635*	0.026600277	-0.6135834	0.23539661	-1.6988289	0.00909227	-1.0852464	0.07282542
Nudt3	.771**	0.003327138	-0.412133	0.15298611	-1.082712	0.03802598	-0.6705801	0.10137727
Mettl18	.597*	0.040351357	-0.343302	0.43458215	-1.332574	0.03120411	-0.9892729	0.06583953
Hba-a2	-.603*	0.037846611	0.47860903	0.10297668	1.20496841	0.03332962	0.72635783	0.09050402
Mir6236	-.615*	0.033269154	1.36363522	0.12764056	2.7369662	0.02181331	1.37332844	0.10190551
Klk10	.596*	0.040913669	-1.0588935	0.13471389	-1.9296081	0.03357888	-0.8707159	0.30424613
Mfap3l	.815**	0.001229011	-0.3646893	0.20533114	-1.157723	0.03936519	-0.7930352	0.06683189
Dlg2	.775**	0.003069867	-0.5227554	0.09260142	-1.050536	0.03983714	-0.5277817	0.18044329
Nxpe1-ps	.623*	0.030291993	-0.8813556	0.11737411	-1.5594257	0.02906578	-0.6780711	0.30007501
Pdgfd	.616*	0.032777442	-0.0961212	0.71034263	-1.05932	0.03394944	-0.9631995	0.10469377
Paqr8	.623*	0.030324625	-0.847997	0.03101349	-1.2313245	0.02163896	-0.3833282	0.40173685
Serpinb2	.763**	0.00386097	-0.6083816	0.10292414	-1.3669421	0.00768586	-0.7585613	0.08742651
Samd3	.587*	0.044634912	-0.7369658	0.11684134	-1.5353303	0.00870071	-0.7983655	0.12221942
Ttn	.598*	0.039789366	-0.274903	0.45025193	-1.1951293	0.00960824	-0.920227	0.02947814
Gucy1b1	.808**	0.001456777	-0.469682	0.13334452	-1.1145448	0.03866181	-0.6448641	0.11607411
Gpr27	-.757**	0.004338531	2.13750032	0.05440967	3.24792382	0.00241122	1.11042398	0.0881635
Rida	.656*	0.02057777	-0.4433203	0.14490974	-1.0666479	0.02577539	-0.6233285	0.08647132
Lancl3	.665*	0.018356918	-0.8224227	0.04446808	-1.529175	0.01022813	-0.7067538	0.14161774
Scgb1c1	.899**	7.0401E-05	-0.6374299	0.39330843	-2.2223891	0.03511539	-1.5849606	0.1047299
Ccdc50	.804**	0.001611406	-0.7448782	0.00365354	-1.1678701	0.01787532	-0.4229929	0.29338266
Cers3	.613*	0.034105056	-0.5670408	0.36970489	-1.9999976	0.02004719	-1.4329581	0.05852206
Galm	.603*	0.037787296	0.25054319	0.47063111	-0.915465	0.13528288	-1.1660091	0.01774966
Ighg3	.678*	0.015391633	-0.9510904	0.12482679	-2.6880529	0.00251692	-1.7369639	0.03651198
Cstdc6	-.699*	0.01139497	0.29865759	0.67456628	1.75488732	0.12794586	1.4562292	0.0146689
Tlr3	.669*	0.017467567	-0.074001	0.92251268	-1.9999968	0.06309951	-1.9259972	0.04543102
Gtse1	-.601*	0.038732935	-0.1239891	0.86160329	1.14135604	0.074394	1.26534456	0.02505489
Cpa6	-.595*	0.041109292	-3.285E-16	1	1.99999732	0.08402914	1.9999982	0.03511923
Ascl4	-.591*	0.043044706	-0.0848892	0.93064979	1.42146327	0.11851515	1.50635217	0.04695027
Ntn4	.648*	0.022590419	0.21603669	0.52854597	-0.8424575	0.15648538	-1.058495	0.02525983
Olfir920	.583*	0.046476978	0.3219275	0.65624698	-1.4150352	0.153479	-1.7369639	0.03651198
Troap	.595*	0.041413919	0.10496928	0.79694172	-0.9730318	0.10341704	-1.0780019	0.0202241
AA467197	-.627*	0.029115523	-0.4908052	0.33608316	1.13597814	0.07084921	1.6267827	0.00162675
Igkv4-81	.703*	0.010696372	-0.678072	0.27480312	-2.4150346	0.00757356	-1.736964	0.03487342
Tnfsf13os	-.690*	0.012954149	-0.7369645	0.55393983	1.16992433	0.23950767	1.90688895	0.04000756
Hacd1	.629*	0.028284172	0.48291099	0.13369006	-1.1578782	0.06521944	-1.6407901	0.00051997
Col6a5	-.596*	0.040982168	-3.285E-16	1	2.16992219	0.05673744	2.16992312	0.01977403
Itih4	.586*	0.045401839	0.33703449	0.57260352	-1.6629628	0.06055182	-1.9999984	0.00697886

Supplementary Table S3. Correlation analyses of the Unique and common DEGs (FC > 2, p < 0.05) between Control, Mild / moderate and Severe Groups

FlattenCorrMatrix function analyses of DEGs (normalized counts) versus Temperature (°C) loss

Unique and Common in groups	Genes	Log2FC	Temperature_Correlation_Value
Wildtype vs Mild & Wildtype vs Severe	TdGF1	2.62560288	-0.777
Wildtype vs Mild & Wildtype vs Severe	Cish	2.56169192	-0.609
Mild vs Severe & Wildtype vs Mild & Wildtype vs Severe	Itgb2l	2.43295706	-0.644
Wildtype vs Mild & Wildtype vs Severe	Gadd45g	1.86789602	-0.62
Wildtype vs Mild & Wildtype vs Severe	Tnfr3	1.67331692	-0.616
Mild vs Severe & Wildtype vs Mild & Wildtype vs Severe	Ly6g	1.53686777	-0.766
Wildtype vs Mild & Wildtype vs Severe	Retnlg	1.36847136	-0.742
Wildtype vs Mild	Icosl	-1.02276	0.588
Wildtype vs Mild & Wildtype vs Severe	Cd200r3	-1.0294166	0.786
Wildtype vs Mild	Podnl1	-1.0381352	0.579
Wildtype vs Severe	Klk10	-1.0588935	0.596
Wildtype vs Mild & Wildtype vs Severe	Inafm1	-1.0681716	0.588
Wildtype vs Mild	Nacc2	-1.0748942	0.68
Wildtype vs Severe	Igfals	-1.0848885	0.788
Wildtype vs Mild	Proser2	-1.1019625	0.667
Wildtype vs Mild	Rarg	-1.1061995	0.626
Wildtype vs Mild & Wildtype vs Severe	Kcna4	-1.1363216	0.588
Wildtype vs Mild & Wildtype vs Severe	Slc16a7	-1.1474305	0.656
Wildtype vs Mild & Wildtype vs Severe	Gpr68	-1.1551915	0.8
Wildtype vs Mild	Igha	-1.1586061	0.591
Wildtype vs Mild	Rpl35a-ps2	-1.1794839	0.702
Wildtype vs Mild & Wildtype vs Severe	Rcn3	-1.1894778	0.629
Wildtype vs Severe	Rgs6	-1.2223922	0.794
Wildtype vs Mild	Lrrc75b	-1.2317302	0.643
Wildtype vs Severe	Sox18	-1.2674796	0.699
Wildtype vs Mild & Wildtype vs Severe	Apoe	-1.2774115	0.766
Wildtype vs Mild & Wildtype vs Severe	Dtna	-1.277534	0.673
Wildtype vs Severe	Heatr9	-1.2933587	0.646
Wildtype vs Mild & Wildtype vs Severe	Slc27a3	-1.2988443	0.644
Wildtype vs Severe	Idi1-ps1	-1.3219277	0.793
Wildtype vs Mild & Wildtype vs Severe	Sult1a1	-1.3317092	0.632
Wildtype vs Mild & Wildtype vs Severe	Stx3	-1.338802	0.658
Wildtype vs Mild & Wildtype vs Severe	Cpne4	-1.3493046	0.632
Wildtype vs Mild & Wildtype vs Severe	H2-Q10	-1.3614565	0.714
Wildtype vs Mild	Galnt9	-1.3625701	0.579
Wildtype vs Severe	Adamts1	-1.4374044	0.738
Wildtype vs Mild	N4bp3	-1.4374053	0.699
Wildtype vs Severe	Vstm5	-1.495957	0.694
Wildtype vs Severe	Efemp1	-1.5254609	0.676
Wildtype vs Mild & Wildtype vs Severe	Naip6	-1.5443206	0.729
Wildtype vs Mild & Wildtype vs Severe	Echdc3	-1.5600873	0.687
Wildtype vs Mild	Acsbg3	-1.6629643	0.582
Wildtype vs Mild	Hotairm1	-1.6984912	0.614
Wildtype vs Mild & Wildtype vs Severe	Nr3c2	-1.7369654	0.688
Wildtype vs Mild	Tm4sf1	-1.8194276	0.659
Wildtype vs Mild & Wildtype vs Severe	Flt3	-1.9947629	0.586
Wildtype vs Mild	Ighg2b	-2.0054539	0.648
Wildtype vs Mild	Rorb	-2.1154749	0.619
Wildtype vs Mild & Wildtype vs Severe	Wwtr1	-2.2584116	0.664
Wildtype vs Mild & Wildtype vs Severe	Cx3cr1	-2.3959284	0.635
Wildtype vs Mild & Wildtype vs Severe	Efhc1	-2.4531711	0.646
Wildtype vs Mild	Ighg2c	-2.5849598	0.59
Wildtype vs Mild & Wildtype vs Severe	Hsd3b6	-3.2336992	0.595
Wildtype vs Mild & Wildtype vs Severe	Ms4a2	-3.6911604	0.646
Mild vs Severe & Wildtype vs Mild & Wildtype vs Severe	Itgb2l	4.07038629	-0.644
Wildtype vs Mild & Wildtype vs Severe	TdGF1	3.49185162	-0.777
Wildtype vs Severe	Gpr27	3.24792382	-0.757
Mild vs Severe & Wildtype vs Mild & Wildtype vs Severe	Ly6g	3.10543613	-0.766
Wildtype vs Mild & Wildtype vs Severe	Cish	3.07553225	-0.609
Wildtype vs Severe	Mir6236	2.7369662	-0.615
Mild vs Severe & Wildtype vs Severe	Mt1	2.58496149	-0.81
Mild vs Severe & Wildtype vs Severe	Ret	2.51096003	-0.615
Mild vs Severe & Wildtype vs Severe	Gbp11	2.41825429	-0.744
Wildtype vs Severe	Gstm4	2.35049574	-0.603
Wildtype vs Mild & Wildtype vs Severe	Tnfr3	2.34826202	-0.616
Wildtype vs Mild & Wildtype vs Severe	Gadd45g	2.32192809	-0.62

Mild vs Severe & Wildtype vs Severe	Cd14	2.2843748	-0.662
Wildtype vs Mild & Wildtype vs Severe	Retnlg	2.26044835	-0.742
Mild vs Severe & Wildtype vs Severe	Unc80	2.12553049	-0.749
Mild vs Severe & Wildtype vs Severe	Tafa3	2.01792169	-0.788
Mild vs Severe & Wildtype vs Severe	Postn	1.99999974	-0.708
Mild vs Severe & Wildtype vs Severe	Acod1	1.97916998	-0.597
Mild vs Severe & Wildtype vs Severe	Rundc3b	1.9446676	-0.66
Mild vs Severe & Wildtype vs Severe	Tigit	1.8875251	-0.591
Wildtype vs Severe	Il4ra	1.68793578	-0.612
Mild vs Severe & Wildtype vs Severe	Abca13	1.61274609	-0.585
Mild vs Severe & Wildtype vs Severe	Krt83	1.52356184	-0.64
Wildtype vs Severe	Clec4e	1.50583475	-0.585
Mild vs Severe & Wildtype vs Severe	Map2	1.46466846	-0.665
Mild vs Severe & Wildtype vs Severe	Itm2a	1.45690801	-0.72
Mild vs Severe & Wildtype vs Severe	Adpgk	1.4459542	-0.677
Wildtype vs Severe	Khdrbs3	1.41278166	-0.733
Wildtype vs Severe	Stfa2	1.37715804	-0.601
Mild vs Severe & Wildtype vs Severe	Crybg1	1.3105692	-0.58
Mild vs Severe & Wildtype vs Severe	Abcb1b	1.30117009	-0.583
Wildtype vs Severe	Hba-a2	1.20496842	-0.603
Wildtype vs Severe	Serpnb6b	1.15611966	-0.651
Wildtype vs Severe	Hba-a1	1.15471829	-0.607
Wildtype vs Severe	Cela1	-1	0.626
Wildtype vs Severe	Sowahc	-1	0.694
Wildtype vs Severe	Plp1	-1	0.726
Wildtype vs Severe	Pdk1	-1	0.734
Wildtype vs Severe	Cavin2	-1.0145664	0.758
Wildtype vs Severe	Il18r1	-1.0249853	0.829
Wildtype vs Severe	Rab27b	-1.04035	0.771
Wildtype vs Severe	Dlg2	-1.050536	0.775
Wildtype vs Severe	Pdgfd	-1.05932	0.616
Wildtype vs Severe	Rida	-1.0666479	0.656
Wildtype vs Severe	Ttll11	-1.0751861	0.877
Wildtype vs Severe	Nudt3	-1.082712	0.771
Wildtype vs Severe	Sytl4	-1.0899529	0.823
Wildtype vs Severe	Akap5	-1.1046962	0.625
Wildtype vs Severe	H4c9	-1.1058316	0.728
Wildtype vs Severe	AI504432	-1.1084725	0.759
Wildtype vs Severe	Gucy1b1	-1.1145448	0.808
Wildtype vs Severe	Ppp1r35	-1.1154762	0.829
Wildtype vs Severe	Ankrd24	-1.1180547	0.668
Wildtype vs Severe	Gng11	-1.1469551	0.632
Wildtype vs Severe	Mfap3l	-1.157723	0.815
Wildtype vs Mild & Wildtype vs Severe	Stx3	-1.159477	0.658
Wildtype vs Severe	Ccdc50	-1.1678701	0.804
Wildtype vs Severe	Snap47	-1.1681989	0.678
Wildtype vs Severe	Rasgrp3	-1.1689515	0.726
Wildtype vs Severe	Alg1	-1.1867672	0.703
Wildtype vs Severe	Serpine2	-1.1926436	0.751
Wildtype vs Severe	Ttn	-1.1951293	0.598
Mild vs Severe & Wildtype vs Severe	Ifi208	-1.20635	0.602
Wildtype vs Severe	Adgrl2	-1.2064497	0.624
Wildtype vs Severe	Ly86	-1.2092872	0.748
Wildtype vs Severe	Zkscan7	-1.2143388	0.639
Wildtype vs Severe	Hspd1-ps4	-1.2179995	0.695
Wildtype vs Severe	Tanc1	-1.2235046	0.667
Wildtype vs Severe	Trpc6	-1.2252637	0.757
Wildtype vs Severe	Gpr34	-1.2269639	0.695
Wildtype vs Severe	Paqr8	-1.2313245	0.623
Wildtype vs Severe	Nbea	-1.2354864	0.652
Wildtype vs Severe	Tie1	-1.2425693	0.796
Wildtype vs Severe	Ndufs5	-1.2425693	0.83
Wildtype vs Severe	Serpnb6a	-1.2464811	0.692
Wildtype vs Severe	Ophn1	-1.2619196	0.847
Wildtype vs Severe	Zbed5	-1.2735639	0.805
Wildtype vs Severe	Bank1	-1.2766772	0.634
Wildtype vs Severe	Izumo1r	-1.2767569	0.63
Wildtype vs Severe	Afap1l1	-1.2937294	0.798
Wildtype vs Severe	Ankrd35	-1.3010802	0.74

Mild vs Severe & Wildtype vs Severe	Angpt1	-1.3087105	0.647
Wildtype vs Severe	Slc35e3	-1.3131563	0.709
Mild vs Severe & Wildtype vs Severe	Zfp229	-1.3275732	0.689
Wildtype vs Severe	Rnase4	-1.3325737	0.754
Wildtype vs Severe	Sh3pxd2a	-1.3325739	0.694
Wildtype vs Severe	Mettl18	-1.332574	0.597
Wildtype vs Mild	Rpl35a-ps2	-1.3356014	0.702
Wildtype vs Severe	Ntrk3	-1.3554793	0.65
Wildtype vs Severe	Serpib2	-1.3669421	0.763
Wildtype vs Mild & Wildtype vs Severe	Sult1a1	-1.3765617	0.632
Wildtype vs Severe	Xkr6	-1.3770681	0.649
Wildtype vs Severe	Cbs	-1.3785101	0.742
Wildtype vs Mild & Wildtype vs Severe	Dtna	-1.379412	0.673
Wildtype vs Severe	Plekhg5	-1.3833273	0.681
Wildtype vs Severe	Triqk	-1.3902322	0.695
Mild vs Severe & Wildtype vs Severe	Ncr1	-1.3952276	0.602
Wildtype vs Severe	Clec2i	-1.3970691	0.583
Wildtype vs Severe	Mapk12	-1.4150359	0.693
Wildtype vs Severe	Msh4	-1.4150361	0.714
Wildtype vs Mild & Wildtype vs Severe	Slc16a7	-1.4288419	0.656
Mild vs Severe & Wildtype vs Severe	Gpr174	-1.4362837	0.587
Mild vs Severe & Wildtype vs Severe	Dapl1	-1.4408758	0.651
Wildtype vs Severe	Ttll7	-1.441508	0.8
Mild vs Severe & Wildtype vs Severe	Vmn2r84	-1.4470263	0.651
Wildtype vs Mild & Wildtype vs Severe	Kcna4	-1.450955	0.588
Wildtype vs Mild & Wildtype vs Severe	H2-Q10	-1.4545643	0.714
Mild vs Severe & Wildtype vs Severe	Cyp2s1	-1.4545643	0.603
Wildtype vs Severe	Cxcl5	-1.4568559	0.789
Wildtype vs Severe	Ccdc91	-1.4608399	0.822
Wildtype vs Mild & Wildtype vs Severe	Slc27a3	-1.4623416	0.644
Wildtype vs Severe	Wnt5b	-1.4930386	0.579
Wildtype vs Mild & Wildtype vs Severe	Flt3	-1.4959557	0.586
Wildtype vs Severe	Tspan17	-1.5002684	0.785
Wildtype vs Severe	Trpc1	-1.5057345	0.862
Wildtype vs Severe	Cc2d2b	-1.5074821	0.912
Wildtype vs Severe	Hpgd	-1.5181293	0.601
Wildtype vs Severe	Lancl3	-1.529175	0.665
Wildtype vs Severe	Samd3	-1.5353303	0.587
Wildtype vs Mild & Wildtype vs Severe	Naip6	-1.5525394	0.729
Wildtype vs Severe	Nxpe1-ps	-1.5594257	0.623
Mild vs Severe & Wildtype vs Severe	Fras1	-1.5849607	0.658
Wildtype vs Mild & Wildtype vs Severe	Gpr68	-1.5873513	0.8
Wildtype vs Severe	Tnk2os	-1.6076808	0.815
Mild vs Severe & Wildtype vs Severe	Cd55os	-1.6342782	0.667
Wildtype vs Severe	Nr1h4	-1.6438539	0.687
Wildtype vs Mild & Wildtype vs Severe	Rcn3	-1.6560442	0.629
Wildtype vs Severe	Klrl1	-1.6600235	0.67
Mild vs Severe & Wildtype vs Severe	Ndufaf8	-1.6655796	0.841
Wildtype vs Severe	Eng	-1.6851248	0.638
Wildtype vs Severe	Trbj2-6	-1.6988289	0.635
Wildtype vs Severe	Heatr9	-1.7369637	0.646
Wildtype vs Mild & Wildtype vs Severe	Efhc1	-1.7686723	0.646
Wildtype vs Severe	Synpo	-1.8020588	0.827
Wildtype vs Severe	Rgs6	-1.8073528	0.794
Wildtype vs Severe	Npas2	-1.8479948	0.728
Wildtype vs Severe	Ltbp4	-1.855608	0.588
Wildtype vs Severe	Vstm5	-1.8744667	0.694
Wildtype vs Mild & Wildtype vs Severe	Cpne4	-1.8853558	0.632
Mild vs Severe & Wildtype vs Severe	Crisp3	-1.9175353	0.655
Mild vs Severe & Wildtype vs Severe	Cr2	-1.9177871	0.812
Wildtype vs Severe	Klk10	-1.9296081	0.596
Mild vs Severe & Wildtype vs Severe	Eya2	-1.9296088	0.663
Wildtype vs Mild & Wildtype vs Severe	Apoe	-1.9301864	0.766
Wildtype vs Mild & Wildtype vs Severe	Echdc3	-1.938597	0.687
Wildtype vs Mild & Wildtype vs Severe	Cd200r3	-1.9737672	0.786
Wildtype vs Severe	Idi1-ps1	-1.9999974	0.793
Wildtype vs Severe	Cers3	-1.9999976	0.613
Mild vs Severe & Wildtype vs Severe	Tamalin	-1.9999976	0.623
Wildtype vs Severe	Arhgef5	-1.9999981	0.646

Wildtype vs Mild & Wildtype vs Severe	Nr3c2	-1.9999982	0.688
Wildtype vs Severe	Slc4a3	-2.0779997	0.593
Wildtype vs Severe	Myadml2	-2.0779999	0.71
Wildtype vs Severe	Sox18	-2.1154739	0.699
Wildtype vs Severe	Lrrc6	-2.1154739	0.582
Wildtype vs Severe	Adamts1	-2.1154739	0.738
Wildtype vs Severe	Fam124b	-2.1154739	0.783
Mild vs Severe & Wildtype vs Severe	Ccr6	-2.1615869	0.688
Wildtype vs Severe	Zfhx4	-2.180569	0.611
Mild vs Severe & Wildtype vs Severe	Lsmp	-2.1993064	0.771
Mild vs Severe & Wildtype vs Severe	Trbv24	-2.222389	0.681
Wildtype vs Severe	Igfals	-2.2223891	0.788
Wildtype vs Severe	Scgb1c1	-2.2223891	0.899
Wildtype vs Mild & Wildtype vs Severe	Cx3cr1	-2.2921783	0.635
Wildtype vs Severe	Robo3	-2.3025607	0.623
Mild vs Severe	Igkv4-81	-2.4150346	0.703
Wildtype vs Mild	Ighg2b	-2.5579886	0.648
Wildtype vs Mild & Wildtype vs Severe	Wwtr1	-2.5667238	0.664
Wildtype vs Mild	Ighg2c	-2.5849584	0.59
Wildtype vs Severe	Efemp1	-2.6629614	0.676
Mild vs Severe	Ighg3	-2.6880529	0.678
Mild vs Severe & Wildtype vs Severe	Ii7	-2.8744654	0.658
Mild vs Severe & Wildtype vs Severe	Slc9c1	-3.1154731	0.593
Wildtype vs Mild & Wildtype vs Severe	Hsd3b6	-3.9870474	0.595
Wildtype vs Mild & Wildtype vs Severe	Ms4a2	-4.3692293	0.646
Mild vs Severe & Wildtype vs Severe	Ret	2.76249901	-0.615
Mild vs Severe & Wildtype vs Severe	Tigit	2.62449017	-0.591
Mild vs Severe & Wildtype vs Severe	Unc80	2.32192766	-0.749
Mild vs Severe	Col6a5	2.16992312	-0.596
Mild vs Severe & Wildtype vs Severe	Krt83	2.1450497	-0.64
Mild vs Severe	Cpa6	1.9999982	-0.595
Mild vs Severe & Wildtype vs Severe	Postn	1.94341623	-0.708
Mild vs Severe	Tnfsf13os	1.90688895	-0.69
Mild vs Severe & Wildtype vs Severe	Tafa3	1.85442305	-0.788
Mild vs Severe & Wildtype vs Severe	Gbp11	1.82871909	-0.744
Mild vs Severe & Wildtype vs Severe	Map2	1.8010958	-0.665
Mild vs Severe & Wildtype vs Mild & Wildtype vs Severe	Irgb2l	1.63742989	-0.644
Mild vs Severe	AA467197	1.6267827	-0.627
Mild vs Severe & Wildtype vs Severe	Rundc3b	1.60984237	-0.66
Mild vs Severe & Wildtype vs Severe	Mt1	1.60572092	-0.81
Mild vs Severe & Wildtype vs Severe	Abcb1b	1.58014565	-0.583
Mild vs Severe & Wildtype vs Mild & Wildtype vs Severe	Ly6g	1.56856826	-0.766
Mild vs Severe & Wildtype vs Severe	Acod1	1.50703975	-0.597
Mild vs Severe	Ascl4	1.50635217	-0.591
Mild vs Severe & Wildtype vs Severe	Crybg1	1.47678557	-0.58
Mild vs Severe	Cstcd6	1.4562292	-0.699
Mild vs Severe & Wildtype vs Severe	Adpgk	1.32567502	-0.677
Mild vs Severe	Gtse1	1.26534456	-0.601
Mild vs Severe & Wildtype vs Severe	Abca13	1.2491076	-0.585
Mild vs Severe & Wildtype vs Severe	Cd14	1.23319595	-0.662
Mild vs Severe & Wildtype vs Severe	Iitm2a	1.02394815	-0.72
Mild vs Severe & Wildtype vs Severe	Angpt1	-1.0217597	0.647
Mild vs Severe	Ntn4	-1.058495	0.648
Mild vs Severe & Wildtype vs Severe	Zfp229	-1.0663418	0.689
Mild vs Severe	Troap	-1.0780019	0.595
Mild vs Severe & Wildtype vs Severe	Cyp2s1	-1.122856	0.603
Mild vs Severe & Wildtype vs Severe	Ncr1	-1.1303313	0.602
Mild vs Severe	Galm	-1.1660091	0.603
Mild vs Severe & Wildtype vs Severe	Ifi208	-1.1708171	0.602
Mild vs Severe & Wildtype vs Severe	Cd55os	-1.2593578	0.667
Mild vs Severe & Wildtype vs Severe	Dapl1	-1.2630336	0.651
Mild vs Severe & Wildtype vs Severe	Ndufaf8	-1.2958237	0.841
Mild vs Severe & Wildtype vs Severe	Gpr174	-1.3052207	0.587
Mild vs Severe & Wildtype vs Severe	Fras1	-1.3410359	0.658
Mild vs Severe & Wildtype vs Severe	Vmn2r84	-1.3508772	0.651
Mild vs Severe & Wildtype vs Severe	Lsmp	-1.462342	0.771
Mild vs Severe & Wildtype vs Severe	Cr2	-1.6224285	0.812
Mild vs Severe	Hacd1	-1.6407901	0.629
Mild vs Severe & Wildtype vs Severe	Tamalin	-1.7286965	0.623

Mild vs Severe	Olfir920	-1.7369639	0.583
Mild vs Severe	Ighg3	-1.7369639	0.678
Mild vs Severe	Igkv4-81	-1.736964	0.703
Mild vs Severe & Wildtype vs Severe	Crisp3	-1.7935475	0.655
Mild vs Severe & Wildtype vs Severe	Ccr6	-1.8515533	0.688
Mild vs Severe	Tlr3	-1.9259972	0.669
Mild vs Severe & Wildtype vs Severe	Il7	-1.9259978	0.658
Mild vs Severe	Itih4	-1.9999984	0.586
Mild vs Severe & Wildtype vs Severe	Eya2	-2.0605403	0.663
Mild vs Severe & Wildtype vs Severe	Trbv24	-2.1375012	0.681
Mild vs Severe & Wildtype vs Severe	Slc9c1	-2.3219256	0.593