

EnsemblID	EnsemblID	Chr	Gene	GroupxVisit P value	P value: Progressor vs Maintainer	P value: Progressor vs Reverter	P value: Reverter vs Maintainer	Included in Darkred Module	Identified Pre-T1D in Related Study
ENSG00000112773	ENSG00000112773	6	FAM46A	8.24E-05	8.20E-02	7.45E-02	1.54E-05		Kallionpaa et al (Progression to T1D vs Matched Controls)
ENSG00000197461	ENSG00000197461	7	PDGFA	9.34E-05	5.35E-01	3.97E-04	1.27E-04		
ENSG00000050748	ENSG00000050748	5	MAPK9	1.06E-04	2.57E-05	5.10E-04	4.58E-01		
ENSG00000135424	ENSG00000135424	12	ITGA7	1.09E-04	3.70E-02	3.65E-05	3.79E-03		
ENSG00000028116	ENSG00000028116	2	VRK2	1.76E-04	8.14E-02	1.04E-01	3.48E-05		
ENSG00000172650	ENSG00000172650	10	AGAP5	3.51E-04	2.36E-02	3.69E-01	1.10E-04		
ENSG00000261408	ENSG00000261408	17	TEN1-CDK3	3.75E-04	7.92E-05	1.31E-02	8.24E-02		
ENSG00000166411	ENSG00000166411	15	IDH3A	5.77E-04	4.92E-03	9.73E-01	5.11E-04		
ENSG00000135363	ENSG00000135363	11	LMO2	6.35E-04	1.24E-01	1.19E-01	1.31E-04		
ENSG00000113273	ENSG00000113273	5	ARSB	7.91E-04	4.99E-02	2.90E-01	2.09E-04		
ENSG00000246082	ENSG00000246082	3	NUDT16P1	8.11E-04	3.69E-01	3.63E-02	1.81E-04		
ENSG00000079337	ENSG00000079337	12	RAPGEF3	8.28E-04	8.41E-01	3.84E-03	4.98E-04		
ENSG00000105388	ENSG00000105388	19	CEACAM5	8.61E-04	4.25E-02	2.34E-04	1.85E-02		
ENSG00000166979	ENSG00000166979	21	EVA1C	8.84E-04	1.51E-01	1.13E-01	1.84E-04		
ENSG00000086548	ENSG00000086548	19	CEACAM6	1.02E-03	1.92E-02	2.23E-04	4.71E-02	Yes	
ENSG00000184402	ENSG00000184402	20	SS18L1	1.05E-03	8.33E-02	2.13E-01	2.46E-04		
ENSG00000189042	ENSG00000189042	19	ZNF567	1.08E-03	3.03E-01	5.51E-02	2.33E-04		
ENSG00000101654	ENSG00000101654	18	RNMT	1.17E-03	4.31E-04	9.13E-02	2.70E-02		
ENSG00000174004	ENSG00000174004	3	NRROS	1.22E-03	2.24E-01	8.45E-02	2.55E-04		
ENSG00000134262	ENSG00000134262	1	AP4B1	1.28E-03	8.08E-03	9.69E-01	1.02E-03		
ENSG00000179044	ENSG00000179044	16	EXOC3L1	1.31E-03	2.20E-02	5.96E-01	5.49E-04		
ENSG00000205133	ENSG00000205133	8	TRIQC	1.33E-03	3.73E-01	1.49E-03	2.31E-03		Jin et al 2014 (hazard of progression from IA to T1D)
ENSG00000166619	ENSG00000166619	20	BLCAP	1.49E-03	3.66E-04	4.21E-03	4.71E-01		
ENSG00000092421	ENSG00000092421	5	SEMA6A	1.53E-03	4.32E-03	3.75E-04	2.48E-01		
ENSG00000257017	ENSG00000257017	16	HP	1.54E-03	2.41E-01	1.06E-03	4.50E-03		
ENSG00000263072	ENSG00000263072	16	RP11-473M20.14	1.59E-03	6.83E-01	1.92E-02	4.82E-04		
ENSG00000114013	ENSG00000114013	3	CD86	1.62E-03	9.82E-03	9.47E-01	1.20E-03		
ENSG00000253200	ENSG00000253200	8	RP11-582J16.5	1.65E-03	3.53E-04	1.40E-02	2.02E-01		
ENSG00000085982	ENSG00000085982	2	USP40	1.84E-03	2.81E-03	5.15E-01	4.39E-03		
ENSG00000122218	ENSG00000122218	1	COPA	1.91E-03	1.37E-02	8.52E-01	1.18E-03		
ENSG00000116198	ENSG00000116198	1	CEP104	1.95E-03	2.67E-01	8.59E-02	4.25E-04		
									et al (Seroconverted Cases vs Matched Controls), Kallionpaa et al (Progressors vs Non-Progressors at Seroconversion), and Kallionpaa et al (Progressors vs Non-Progressors after Seroconversion)
ENSG00000134321	ENSG00000134321	2	RSAD2	2.02E-03	1.25E-01	1.95E-01	4.65E-04		Kallionpaa et al (Progression to T1D vs Matched Controls) and Kallionpaa et al (Seroconverted Cases vs Matched Controls)
ENSG00000115159	ENSG00000115159	2	GPD2	2.03E-03	7.70E-02	2.97E-01	5.29E-04		
ENSG00000155097	ENSG00000155097	8	ATP6V1C1	2.16E-03	5.83E-01	3.75E-03	2.02E-03		
ENSG00000173369	ENSG00000173369	1	C1QB	2.18E-03	8.09E-01	1.66E-02	7.61E-04		
ENSG00000002549	ENSG00000002549	4	LAP3	2.36E-03	8.13E-02	3.02E-01	6.19E-04		
ENSG00000169021	ENSG00000169021	19	UQCRRF51	2.40E-03	3.34E-01	7.21E-02	5.42E-04		
ENSG00000082196	ENSG00000082196	5	C1QTNF3	2.42E-03	1.35E-01	1.96E-01	5.58E-04		
ENSG00000138642	ENSG00000138642	4	HERC6	2.43E-03	3.70E-01	6.33E-02	5.61E-04		
ENSG00000165655	ENSG00000165655	10	ZNF503	2.58E-03	6.54E-01	2.72E-02	7.56E-04		
									Ferreira et al 2014 (IFN inducible gene)
ENSG00000108679	ENSG00000108679	17	LGALS3BP	2.79E-03	1.07E-01	2.56E-01	6.91E-04		Kallionpaa et al (Progression to T1D vs Matched Controls)
ENSG00000165322	ENSG00000165322	10	ARHGAP12	2.92E-03	1.00E-01	9.79E-04	2.11E-02		
ENSG00000086061	ENSG00000086061	9	DNAJA1	2.93E-03	2.26E-01	1.27E-01	6.53E-04		
ENSG00000175348	ENSG00000175348	11	TMEM9B	3.04E-03	4.48E-03	5.60E-01	5.87E-03		
ENSG00000153037	ENSG00000153037	5	SRP19	3.13E-03	2.87E-03	1.21E-03	5.81E-01		
ENSG00000171860	ENSG00000171860	12	C3AR1	3.33E-03	9.31E-01	1.15E-02	1.63E-03		

ENSG00000103642	ENSG00000103642	15 LACTB	3.37E-03	3.16E-01	9.14E-02	7.67E-04	Kallionpaa et al (Seroconverted Cases vs Matched Controls)
ENSG00000137692	ENSG00000137692	11 DCUN1D5	3.47E-03	9.68E-03	8.46E-01	3.46E-03	
ENSG00000236053	ENSG00000236053	13 LINC01067	3.49E-03	6.82E-02	4.01E-01	1.04E-03	Kallionpaa et al (Seroconverted Cases vs Matched Controls)
ENSG00000114650	ENSG00000114650	3 SCAP	3.69E-03	1.86E-02	8.88E-01	2.26E-03	
ENSG00000130202	ENSG00000130202	19 PVRL2	3.70E-03	3.06E-02	6.87E-01	1.65E-03	
ENSG00000142751	ENSG00000142751	1 GPN2	3.82E-03	9.82E-01	1.53E-02	1.64E-03	
ENSG00000164096	ENSG00000164096	4 C4orf3	3.86E-03	2.21E-01	2.01E-03	1.12E-02	
ENSG00000212961	ENSG00000212961	11 HNRNPA1P40	4.05E-03	3.74E-03	4.14E-01	1.14E-02	
ENSG00000146707	ENSG00000146707	7 POMZP3	4.10E-03	2.41E-02	9.37E-04	1.16E-01	
ENSG00000129911	ENSG00000129911	19 KLF16	4.14E-03	1.43E-03	4.32E-03	8.10E-01	
ENSG00000181481	ENSG00000181481	17 RNF135	4.20E-03	4.11E-03	4.39E-01	1.08E-02	
ENSG00000257702	ENSG00000257702	2 LBX2-AS1	4.21E-03	9.62E-04	1.99E-02	2.75E-01	
ENSG00000171101	ENSG00000171101	19 SIGLEC17P	4.22E-03	6.39E-02	4.52E-01	1.33E-03	et al (Seroconverted Cases vs Matched Controls), and Kallionpaa et al (Progressors vs Non-Progressors after Seroconversion)
ENSG00000213066	ENSG00000213066	6 FGFR1OP	4.29E-03	1.86E-01	1.85E-01	1.00E-03	
ENSG00000129636	ENSG00000129636	16 ITFG1	4.43E-03	6.19E-01	6.70E-03	3.66E-03	Kallionpaa et al (Progressors vs Non-Progressors after Seroconversion)
ENSG00000225850	ENSG00000225850	10 RP11-452K12.4	4.53E-03	2.82E-02	1.05E-03	1.09E-01	
ENSG00000068079	ENSG00000068079	17 IFI35	4.73E-03	2.96E-01	1.17E-01	1.09E-03	Ferreira et al 2014 (IFN inducible gene)
ENSG00000111331	ENSG00000111331	12 OAS3	4.81E-03	1.03E-01	3.32E-01	1.30E-03	
ENSG00000164047	ENSG00000164047	3 CAMP	4.84E-03	1.33E-02	1.17E-03	2.27E-01 Yes	
ENSG00000148346	ENSG00000148346	9 LCN2	4.92E-03	3.84E-02	1.18E-03	8.65E-02 Yes	
ENSG00000122643	ENSG00000122643	7 NT5C3A	4.94E-03	4.83E-01	6.31E-02	1.26E-03	
ENSG00000180855	ENSG00000180855	19 ZNF443	4.94E-03	2.85E-03	2.61E-03	8.12E-01	
ENSG00000134326	ENSG00000134326	2 CMPK2	5.00E-03	1.09E-01	3.20E-01	1.33E-03	
ENSG00000152684	ENSG00000152684	5 PELO	5.01E-03	1.54E-03	9.59E-02	7.35E-02	
ENSG00000111452	ENSG00000111452	12 GPR133	5.02E-03	1.29E-03	1.05E-02	4.97E-01	
ENSG00000173786	ENSG00000173786	17 CNP	5.15E-03	7.68E-02	4.27E-01	1.57E-03	Kallionpaa et al (Progression to T1D vs Matched Controls)
ENSG00000142188	ENSG00000142188	21 TMEM50B	5.20E-03	3.42E-01	1.03E-01	1.23E-03	
ENSG00000160714	ENSG00000160714	1 UBE2Q1	5.21E-03	1.28E-01	2.85E-01	1.34E-03	Ferreira et al 2014 (IFN inducible gene)
ENSG00000178057	ENSG00000178057	3 NDUFAF3	5.25E-03	1.57E-01	2.06E-03	2.16E-02	
ENSG00000157212	ENSG00000157212	7 PAXIP1	5.26E-03	7.44E-01	3.24E-02	1.69E-03	
ENSG00000070190	ENSG00000070190	4 DAPP1	5.29E-03	7.61E-01	1.05E-02	3.30E-03	
ENSG00000055483	ENSG00000055483	17 USP36	5.37E-03	9.53E-02	3.68E-01	1.52E-03	
ENSG00000105671	ENSG00000105671	19 DDX49	5.41E-03	1.91E-03	1.31E-01	5.62E-02	
ENSG00000125977	ENSG00000125977	20 EIF2S2	5.44E-03	8.19E-01	1.22E-02	3.08E-03	
ENSG00000143756	ENSG00000143756	1 FBXO28	5.45E-03	4.53E-03	2.11E-03	6.09E-01	
ENSG00000164821	ENSG00000164821	8 DEFA4	5.47E-03	1.93E-02	1.29E-03	1.79E-01 Yes	
ENSG00000134827	ENSG00000134827	11 TCN1	5.60E-03	1.59E-02	1.35E-03	2.18E-01 Yes	Ferreira et al 2014 (IFN inducible gene)
ENSG00000173548	ENSG00000173548	15 SNX33	5.64E-03	2.05E-02	1.33E-03	1.74E-01	
ENSG00000129515	ENSG00000129515	14 SNX6	5.72E-03	3.58E-02	7.24E-01	2.61E-03	
ENSG00000167208	ENSG00000167208	16 SNX20	5.80E-03	2.77E-01	1.39E-01	1.36E-03	
ENSG00000231721	ENSG00000231721	7 LINC-PINT	5.82E-03	3.34E-03	2.78E-01	2.53E-02	
ENSG00000196378	ENSG00000196378	8 ZNF34	5.88E-03	1.02E-01	1.83E-03	3.77E-02	
ENSG00000163840	ENSG00000163840	3 DTX3L	5.90E-03	2.95E-01	1.31E-01	1.39E-03	
ENSG00000132436	ENSG00000132436	7 FIGNL1	5.94E-03	3.43E-03	3.06E-03	8.06E-01	
ENSG00000166348	ENSG00000166348	10 USP54	5.98E-03	1.23E-01	3.13E-01	1.59E-03	
ENSG00000079134	ENSG00000079134	18 THOC1	6.06E-03	7.33E-02	4.69E-01	1.94E-03	Ferreira et al 2014 (IFN inducible gene)
ENSG00000121848	ENSG00000121848	1 RNF115	6.10E-03	9.34E-01	2.27E-02	2.43E-03	
ENSG00000160216	ENSG00000160216	21 AGPAT3	6.10E-03	4.01E-02	6.94E-01	2.65E-03	
ENSG00000161267	ENSG00000161267	3 BDH1	6.13E-03	6.71E-01	9.44E-03	4.47E-03	
ENSG00000105281	ENSG00000105281	19 SLC1A5	6.23E-03	5.60E-01	5.74E-02	1.69E-03	
ENSG00000076067	ENSG00000076067	12 RBMS2	6.25E-03	5.32E-02	5.89E-01	2.34E-03	

ENSG00000174353	ENSG00000174353	7 STAG3L3	6.49E-03	3.01E-01	1.34E-01	1.54E-03
ENSG00000179630	ENSG00000179630	13 LACC1	6.54E-03	8.70E-01	1.54E-02	3.40E-03
ENSG00000013563	ENSG00000013563 X	DNASE1L1	6.59E-03	5.01E-01	6.98E-02	1.71E-03
ENSG00000064201	ENSG00000064201	11 TSPAN32	6.61E-03	5.31E-02	6.01E-01	2.51E-03
ENSG00000068793	ENSG00000068793	15 CYFIP1	6.62E-03	1.42E-01	2.88E-01	1.71E-03
ENSG00000130147	ENSG00000130147	2 SH3BP4	6.72E-03	2.25E-03	6.88E-03	7.86E-01
ENSG00000233368	ENSG00000233368	1 RP11-277L2.3	6.77E-03	8.16E-01	1.39E-02	3.82E-03
ENSG00000136827	ENSG00000136827	9 TOR1A	6.82E-03	2.46E-01	1.71E-01	1.62E-03
ENSG00000163577	ENSG00000163577	3 EIF5A2	6.84E-03	2.52E-02	9.19E-01	4.15E-03
ENSG00000124374	ENSG00000124374	2 PAIP2B	6.89E-03	5.07E-02	1.72E-03	8.73E-02
ENSG00000205670	ENSG00000205670	21 SMIM11	6.96E-03	2.45E-01	3.48E-03	1.68E-02
ENSG00000104856	ENSG00000104856	19 RELB	7.03E-03	5.29E-01	7.46E-03	6.86E-03
ENSG00000271913	ENSG00000271913	6 RP1-111C20.4	7.07E-03	1.78E-03	1.62E-02	4.44E-01

et al (Progressors vs Non-Progressors at Seroconversion), and Kallionpaa et al (Progressors vs Non-Progressors after Seroconversion)

ENSG00000137965	ENSG00000137965	1 IFI44	7.30E-03	1.67E-01	2.60E-01	1.84E-03
ENSG00000055130	ENSG00000055130	7 CUL1	7.34E-03	3.83E-02	7.57E-01	3.45E-03
ENSG00000184979	ENSG00000184979	22 USP18	7.35E-03	2.51E-01	1.74E-01	1.76E-03
ENSG00000175768	ENSG00000175768	9 TOMM5	7.42E-03	2.67E-03	6.62E-03	8.52E-01
ENSG00000251259	ENSG00000251259	4 AC004069.2	7.44E-03	9.70E-02	2.21E-03	4.85E-02
ENSG00000172766	ENSG00000172766	13 NAA16	7.50E-03	1.55E-01	2.76E-03	2.98E-02
ENSG00000105829	ENSG00000105829	7 BET1	7.64E-03	5.74E-01	8.79E-03	6.70E-03
ENSG00000132963	ENSG00000132963	13 POMP	7.68E-03	2.25E-01	1.99E-01	1.86E-03

Ferreira et al 2014 (IFN inducible gene)  
Kallionpaa et al (Progression to T1D vs Matched

ENSG00000135148	ENSG00000135148	12 TRAFD1	7.71E-03	7.82E-01	3.71E-02	2.58E-03
ENSG00000172432	ENSG00000172432	6 GTPBP2	7.83E-03	6.78E-01	4.80E-02	2.36E-03
ENSG00000154832	ENSG00000154832	18 CXXC1	8.07E-03	4.40E-03	2.84E-01	3.17E-02
ENSG00000130347	ENSG00000130347	6 RTN4IP1	8.12E-03	2.81E-03	1.41E-01	7.03E-02
ENSG00000269640	ENSG00000269640	19 CTD-2521M24.9	8.12E-03	5.23E-02	6.52E-01	3.27E-03
ENSG00000273033	ENSG00000273033	3 RP11-67L2.2	8.21E-03	2.03E-03	2.15E-02	3.93E-01
ENSG00000205580	ENSG00000205580	7 AC006995.8	8.28E-03	7.76E-01	1.46E-02	4.94E-03
ENSG00000112877	ENSG00000112877	5 CEP72	8.32E-03	2.22E-02	2.05E-03	2.20E-01
ENSG00000010671	ENSG00000010671 X	BTB	8.34E-03	8.13E-01	1.59E-02	4.69E-03
ENSG00000105402	ENSG00000105402	19 NAPA	8.51E-03	3.69E-01	1.20E-01	2.09E-03
ENSG00000261490	ENSG00000261490	4 RP11-448G15.3	8.58E-03	9.46E-03	5.70E-01	1.36E-02
ENSG00000231889	ENSG00000231889	6 TRAF3IP2-AS1	8.72E-03	2.20E-01	2.15E-01	2.15E-03
ENSG00000124469	ENSG00000124469	19 CEACAM8	8.73E-03	6.89E-02	2.31E-03	7.87E-02 Yes
ENSG00000156239	ENSG00000156239	21 N6AMT1	8.79E-03	9.22E-02	4.58E-01	2.74E-03
ENSG00000163322	ENSG00000163322	4 FAM175A	8.82E-03	1.65E-02	2.32E-03	3.01E-01
ENSG00000188739	ENSG00000188739	1 RBM34	8.91E-03	1.12E-02	2.67E-03	4.23E-01
ENSG00000168899	ENSG00000168899	2 VAMP5	8.97E-03	6.28E-03	3.86E-01	2.36E-02
ENSG00000240356	ENSG00000240356	2 RPL23AP7	9.00E-03	2.26E-03	2.15E-02	4.17E-01
ENSG00000182272	ENSG00000182272	11 B4GALNT4	9.03E-03	1.63E-01	2.91E-01	2.36E-03
ENSG00000228589	ENSG00000228589	1 SPCS2P4	9.15E-03	1.53E-02	2.48E-03	3.30E-01
ENSG00000180061	ENSG00000180061	19 TMEM150B	9.18E-03	3.55E-01	1.31E-01	2.25E-03
ENSG00000255441	ENSG00000255441	19 CTD-2616J11.2	9.20E-03	3.29E-01	1.43E-01	2.25E-03
ENSG00000163956	ENSG00000163956	4 LRPAP1	9.27E-03	5.68E-01	6.99E-02	2.56E-03
ENSG00000188056	ENSG00000188056	6 TREML4	9.43E-03	2.35E-03	2.38E-02	3.97E-01
ENSG00000139180	ENSG00000139180	12 NDUFA9	9.53E-03	4.22E-03	2.25E-01	4.76E-02
ENSG00000007516	ENSG00000007516	16 BAIAP3	9.72E-03	3.96E-02	8.13E-01	4.85E-03
ENSG00000160685	ENSG00000160685	1 ZBTB7B	9.76E-03	2.74E-01	4.96E-03	2.01E-02
ENSG00000197409	ENSG00000197409	6 HIST1H3D	9.85E-03	2.60E-03	6.94E-02	1.63E-01
ENSG00000198720	ENSG00000198720	17 ANKRD13B	9.85E-03	3.49E-03	1.56E-01	7.31E-02
ENSG00000203814	ENSG00000203814	1 HIST2H2BF	9.88E-03	7.18E-01	1.45E-02	6.45E-03
ENSG00000105048	ENSG00000105048	19 TNNT1	9.92E-03	1.16E-01	3.07E-03	5.18E-02

Kallionpaa et al (Progression to T1D vs Matched Controls)

Kallionpaa et al (Seroconverted Cases vs Matched

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Kallionpaa et al (Seroconverted Cases vs Matched

ENSG00000106100	ENSG00000106100	7 NOD1	9.99E-03	5.45E-03	3.01E-01	3.51E-02
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