

Table S4. Forward MR – immune cell traits with protective effects on AOSD.

	N of SNP	P value	OR	L	U	Odd Ratio (95%)	Cochran's Q statistic(P value)	intercept	P_intercept
FSC-A on CD4+ T cell									
MR Egger	9	0.174	0.603	0.312	1.162	0.603 (0.312-1.162)	15.124(0.0344)	0.049	0.455
Weighted median	9	0.050	0.825	0.681	1.000	0.825 (0.681-1.000)			
Inverse variance weighted	9	0.016	0.774	0.629	0.954	0.774 (0.629-0.954)	16.473(0.036)		
Simple mode	9	0.235	0.863	0.689	1.081	0.863 (0.689-1.081)			
Weighted mode	9	0.179	0.851	0.686	1.055	0.851 (0.686-1.055)			
CD4 on HLA DR+ CD4+ T cell									
MR Egger	9	0.800	1.043	0.764	1.423	1.043 (0.764-1.423)	10.767(0.149)	-0.064	0.134
Weighted median	9	0.423	0.931	0.782	1.109	0.931 (0.782-1.109)			
Inverse variance weighted	9	0.023	0.824	0.697	0.973	0.824 (0.697-0.973)	15.193(0.055)		
Simple mode	9	0.572	0.930	0.731	1.184	0.930 (0.731-1.184)			
Weighted mode	9	0.562	0.941	0.772	1.146	0.941 (0.772-1.146)			
CD19 on memory B cell									
MR Egger	11	0.668	0.902	0.572	1.423	0.902 (0.572-1.423)	12.420(0.191)	-0.016	0.732
Weighted median	11	0.288	0.904	0.750	1.089	0.904 (0.750-1.089)			
Inverse variance weighted	11	0.009	0.834	0.728	0.957	0.834 (0.728-0.957)	12.592(0.247)		
Simple mode	11	0.674	0.932	0.677	1.282	0.932 (0.677-1.282)			
Weighted mode	11	0.633	0.932	0.704	1.234	0.932 (0.704-1.234)			
CD28 on CD28+ CD45RA- CD8+ T cell									
MR Egger	11	0.068	0.814	0.670	0.989	0.814 (0.670-0.989)	7.241(0.612)	0.012	0.599
Weighted median	11	0.011	0.836	0.727	0.960	0.836 (0.727-0.960)			
Inverse variance weighted	11	0.002	0.852	0.771	0.943	0.852 (0.771-0.943)	7.538(0.674)		
Simple mode	11	0.427	0.905	0.714	1.147	0.905 (0.714-1.147)			
Weighted mode	11	0.031	0.821	0.704	0.958	0.821 (0.704-0.958)			
CD11c+ HLA DR++ monocyte %monocyte									
MR Egger	10	0.108	0.760	0.565	1.023	0.760 (0.565-1.023)	7.045(0.532)	0.027	0.399
Weighted median	10	0.030	0.833	0.707	0.983	0.833 (0.707-0.983)			
Inverse variance weighted	10	0.017	0.859	0.759	0.973	0.859 (0.759-0.973)	7.837(0.551)		
Simple mode	10	0.114	0.801	0.625	1.027	0.801 (0.625-1.027)			
Weighted mode	10	0.076	0.807	0.655	0.995	0.807 (0.655-0.995)			
CD28 on CD39+ CD8+ T cell									
MR Egger	10	0.672	0.939	0.711	1.242	0.939 (0.711-1.242)	13.151(0.107)	-0.022	0.493
Weighted median	10	0.290	0.917	0.781	1.077	0.917 (0.781-1.077)			
Inverse variance weighted	10	0.026	0.860	0.752	0.982	0.860 (0.752-0.982)	13.998(0.122)		
Simple mode	10	0.660	0.949	0.756	1.191	0.949 (0.756-1.191)			
Weighted mode	10	0.426	0.927	0.776	1.108	0.927 (0.776-1.108)			
CD28 on CD28+ CD4+ T cell									

MR Egger	14	0.042	0.762	0.603	0.963	0.762 (0.603-0.963)	8.496(0.745)	0.033	0.292
Weighted median	14	0.083	0.888	0.776	1.016	0.888 (0.776-1.016)			
Inverse variance weighted	14	0.001	0.860	0.785	0.943	0.860 (0.785-0.943)	9.712(0.717)		
Simple mode	14	0.820	0.973	0.770	1.229	0.973 (0.770-1.229)			
Weighted mode	14	0.007	0.761	0.645	0.899	0.761 (0.645-0.899)			
HLA DR on CD14- CD16+ monocyte									
MR Egger	10	0.076	0.837	0.706	0.993	0.837 (0.706-0.993)	6.897(0.548)	0.009	0.692
Weighted median	10	0.012	0.868	0.778	0.969	0.868 (0.778-0.969)			
Inverse variance weighted	10	0.000	0.864	0.801	0.933	0.864 (0.801-0.933)	7.066(0.630)		
Simple mode	10	0.189	0.906	0.790	1.038	0.906 (0.790-1.038)			
Weighted mode	10	0.025	0.860	0.771	0.960	0.860 (0.771-0.960)			
CD25 on CD39+ resting CD4 regulatory T cell									
MR Egger	7	0.844	0.971	0.738	1.279	0.971 (0.738-1.279)	0.702(0.983)	-0.032	0.380
Weighted median	7	0.231	0.891	0.738	1.076	0.891 (0.738-1.076)			
Inverse variance weighted	7	0.045	0.865	0.751	0.997	0.865 (0.751-0.997)	1.628(0.951)		
Simple mode	7	0.151	0.810	0.631	1.041	0.810 (0.631-1.041)			
Weighted mode	7	0.439	0.917	0.748	1.125	0.917 (0.748-1.125)			
CD45 on B cell									
MR Egger	9	0.195	0.684	0.407	1.150	0.684 (0.407-1.150)	6.046(0.534)	0.041	0.384
Weighted median	9	0.063	0.841	0.700	1.010	0.841 (0.700-1.010)			
Inverse variance weighted	9	0.045	0.867	0.754	0.997	0.867 (0.754-0.997)	6.909(0.547)		
Simple mode	9	0.271	0.838	0.626	1.123	0.838 (0.626-1.123)			
Weighted mode	9	0.285	0.840	0.623	1.132	0.840 (0.623-1.132)			
IgD+ CD38- B cell Absolute Count									
MR Egger	8	0.811	1.039	0.769	1.405	1.039 (0.769-1.405)	3.413(0.756)	-0.042	0.240
Weighted median	8	0.351	0.917	0.765	1.100	0.917 (0.765-1.100)			
Inverse variance weighted	8	0.044	0.869	0.758	0.996	0.869 (0.758-0.996)	5.117(0.646)		
Simple mode	8	0.065	0.724	0.543	0.966	0.724 (0.543-0.966)			
Weighted mode	8	0.855	0.978	0.780	1.227	0.978 (0.780-1.227)			
CD45 on lymphocyte									
MR Egger	10	0.010	0.753	0.638	0.889	0.753 (0.638-0.889)	5.337(0.721)	0.048	0.075
Weighted median	10	0.035	0.871	0.767	0.991	0.871 (0.767-0.991)			
Inverse variance weighted	10	0.002	0.874	0.801	0.954	0.874 (0.801-0.954)	9.517(0.391)		
Simple mode	10	0.324	0.893	0.721	1.105	0.893 (0.721-1.105)			
Weighted mode	10	0.018	0.811	0.704	0.935	0.811 (0.704-0.935)			
CD3 on Central Memory CD8+ T cell									
MR Egger	10	0.170	0.818	0.631	1.062	0.818 (0.631-1.062)	15.138(0.057)	0.019	0.579
Weighted median	10	0.001	0.818	0.725	0.923	0.818 (0.725-0.923)			
Inverse variance weighted	10	0.038	0.875	0.771	0.992	0.875 (0.771-0.992)	15.773(0.072)		
Simple mode	10	0.107	0.840	0.693	1.017	0.840 (0.693-1.017)			

Weighted mode	10	0.007	0.814	0.724	0.914	0.814 (0.724-0.914)			
HVEM on Effector Memory CD4+ T cell									
MR Egger	9	0.935	0.986	0.709	1.371	0.986 (0.709-1.371)	1.683(0.975)	-0.037	0.489
Weighted median	9	0.011	0.875	0.790	0.970	0.875 (0.790-0.970)			
Inverse variance weighted	9	0.002	0.876	0.806	0.952	0.876 (0.806-0.952)	2.216(0.974)		
Simple mode	9	0.136	0.878	0.754	1.024	0.878 (0.754-1.024)			
Weighted mode	9	0.094	0.876	0.764	1.004	0.876 (0.764-1.004)			
Lymphocyte %leukocyte									
MR Egger	12	0.629	1.090	0.777	1.528	1.090 (0.777-1.528)	5.822(0.830)	-0.037	0.206
Weighted median	12	0.203	0.892	0.749	1.063	0.892 (0.749-1.063)			
Inverse variance weighted	12	0.047	0.878	0.773	0.998	0.878 (0.773-0.998)	7.647(0.744)		
Simple mode	12	0.739	0.952	0.718	1.263	0.952 (0.718-1.263)			
Weighted mode	12	0.569	0.923	0.705	1.208	0.923 (0.705-1.208)			
HVEM on CD4+ T cell									
MR Egger	11	0.791	1.046	0.755	1.451	1.046 (0.755-1.451)	10.591(0.305)	-0.047	0.311
Weighted median	11	0.030	0.885	0.793	0.988	0.885 (0.793-0.988)			
Inverse variance weighted	11	0.003	0.880	0.809	0.957	0.880 (0.809-0.957)	11.945(0.289)		
Simple mode	11	0.303	0.908	0.763	1.081	0.908 (0.763-1.081)			
Weighted mode	11	0.145	0.890	0.771	1.028	0.890 (0.771-1.028)			
CD25++ CD45RA- CD4 not regulatory T cell %T cell									
MR Egger	10	0.337	0.885	0.699	1.120	0.885 (0.699-1.120)	10.454(0.235)	-0.001	0.980
Weighted median	10	0.076	0.886	0.776	1.013	0.886 (0.776-1.013)			
Inverse variance weighted	10	0.019	0.882	0.794	0.980	0.882 (0.794-0.980)	10.455(0.315)		
Simple mode	10	0.193	0.855	0.687	1.064	0.855 (0.687-1.064)			
Weighted mode	10	0.389	0.931	0.797	1.087	0.931 (0.797-1.087)			
CD4 on CD39+ activated CD4 regulatory T cell									
MR Egger	7	0.393	0.836	0.574	1.218	0.836 (0.574-1.218)	4.328(0.503)	0.014	0.758
Weighted median	7	0.096	0.873	0.744	1.024	0.873 (0.744-1.024)			
Inverse variance weighted	7	0.041	0.887	0.791	0.995	0.887 (0.791-0.995)	4.434(0.618)		
Simple mode	7	0.241	0.866	0.696	1.076	0.866 (0.696-1.076)			
Weighted mode	7	0.157	0.857	0.711	1.033	0.857 (0.711-1.033)			
CD28 on CD45RA+ CD4+ T cell									
MR Egger	11	0.492	0.925	0.748	1.145	0.925 (0.748-1.145)	15.279(0.084)	-0.012	0.663
Weighted median	11	0.104	0.902	0.796	1.021	0.902 (0.796-1.021)			
Inverse variance weighted	11	0.028	0.887	0.798	0.987	0.887 (0.798-0.987)	15.625(0.111)		
Simple mode	11	0.312	0.903	0.749	1.089	0.903 (0.749-1.089)			
Weighted mode	11	0.172	0.894	0.771	1.038	0.894 (0.771-1.038)			
Resting CD4 regulatory T cell %CD4+ T cell									
MR Egger	15	0.924	1.012	0.787	1.302	1.012 (0.787-1.302)	13.027(0.446)	-0.038	0.294
Weighted median	15	0.008	0.838	0.735	0.955	0.838 (0.735-0.955)			

MR Egger	15	0.009	0.802	0.697	0.924	0.802 (0.697-0.924)	14.366(0.349)	0.038	0.078
Weighted median	15	0.000	0.839	0.765	0.919	0.839 (0.765-0.919)			
Inverse variance weighted	15	0.012	0.902	0.833	0.978	0.902 (0.833-0.978)	18.425(0.188)		
Simple mode	15	0.190	0.846	0.667	1.073	0.846 (0.667-1.073)			
Weighted mode	15	0.004	0.837	0.755	0.928	0.837 (0.755-0.928)			
SSC-A on HLA DR+ Natural Killer									
MR Egger	14	0.871	0.983	0.804	1.202	0.983 (0.804-1.202)	14.614(0.263)	-0.019	0.406
Weighted median	14	0.222	0.925	0.817	1.048	0.925 (0.817-1.048)			
Inverse variance weighted	14	0.046	0.909	0.828	0.998	0.909 (0.828-0.998)	15.517(0.276)		
Simple mode	14	0.269	0.882	0.712	1.092	0.882 (0.712-1.092)			
Weighted mode	14	0.192	0.912	0.800	1.040	0.912 (0.800-1.040)			
CD3 on CD39+ CD4+ T cell									
MR Egger	11	0.057	0.871	0.770	0.986	0.871 (0.770-0.986)	7.506(0.585)	0.018	0.401
Weighted median	11	0.001	0.868	0.797	0.944	0.868 (0.797-0.944)			
Inverse variance weighted	11	0.007	0.913	0.855	0.975	0.913 (0.855-0.975)	8.284(0.601)		
Simple mode	11	0.358	0.919	0.774	1.091	0.919 (0.774-1.091)			
Weighted mode	11	0.007	0.874	0.808	0.946	0.874 (0.808-0.946)			
CD3 on secreting CD4 regulatory T cell									
MR Egger	13	0.007	0.821	0.731	0.922	0.821 (0.731-0.922)	8.801(0.640)	0.042	0.054
Weighted median	13	0.000	0.854	0.786	0.927	0.854 (0.786-0.927)			
Inverse variance weighted	13	0.008	0.914	0.855	0.977	0.914 (0.855-0.977)	13.464(0.336)		
Simple mode	13	0.192	0.890	0.754	1.050	0.890 (0.754-1.050)			
Weighted mode	13	0.004	0.865	0.797	0.938	0.865 (0.797-0.938)			
CD3 on CD4 regulatory T cell									
MR Egger	8	0.0201	0.813	0.715	0.925	0.813 (0.715-0.925)	4.540(0.604)	0.049	0.080
Weighted median	8	0.0015	0.869	0.797	0.948	0.869 (0.797-0.948)			
Inverse variance weighted	8	0.0252	0.914	0.845	0.989	0.914 (0.845-0.989)	8.975(0.254)		
Simple mode	8	0.4341	0.922	0.762	1.116	0.922 (0.762-1.116)			
Weighted mode	8	0.0199	0.871	0.796	0.953	0.871 (0.796-0.953)			
FSC-A on myeloid Dendritic Cell									
MR Egger	11	0.603	1.054	0.870	1.278	1.054 (0.870-1.278)	4.962(0.838)	-0.045	0.157
Weighted median	11	0.187	0.936	0.849	1.032	0.936 (0.849-1.032)			
Inverse variance weighted	11	0.026	0.917	0.850	0.990	0.917 (0.850-0.990)	7.343(0.693)		
Simple mode	11	0.281	0.925	0.809	1.058	0.925 (0.809-1.058)			
Weighted mode	11	0.294	0.943	0.849	1.047	0.943 (0.849-1.047)			
CD11b on CD14+ monocyte									
MR Egger	10	0.120	0.857	0.720	1.020	0.857 (0.720-1.020)	13.426(0.098)	0.030	0.393
Weighted median	10	0.004	0.903	0.841	0.969	0.903 (0.841-0.969)			
Inverse variance weighted	10	0.033	0.921	0.853	0.993	0.921 (0.853-0.993)	14.793(0.097)		
Simple mode	10	0.314	0.931	0.817	1.062	0.931 (0.817-1.062)			

Weighted mode	10	0.025	0.902	0.836	0.972	0.902 (0.836-0.972)			
CD64 on monocyte									
MR Egger	18	0.499	0.963	0.865	1.072	0.963 (0.865-1.072)	13.824(0.612)	-0.017	0.447
Weighted median	18	0.016	0.910	0.843	0.983	0.910 (0.843-0.983)			
Inverse variance weighted	18	0.006	0.928	0.880	0.979	0.928 (0.880-0.979)	14.432(0.636)		
Simple mode	18	0.069	0.888	0.787	1.001	0.888 (0.787-1.001)			
Weighted mode	18	0.023	0.901	0.830	0.978	0.901 (0.830-0.978)			

Table S5. Forward MR – immune cell traits with risk effects on AOSD.

	N of SNP	P value	OR	L	U	Odd Ratio(95%)	Cochran's Q statistic(P value)	intercept	P_intercept
IgD on IgD+ CD38- unswitched memory B cell									
MR Egger	7	0.832	1.015	0.887	1.162	1.015 (0.887-1.162)	4.539 (0.475)	0.024	0.466
Weighted median	7	0.257	1.043	0.970	1.121	1.043 (0.970-1.121)			
Inverse variance weighted	7	0.046	1.066	1.001	1.134	1.066 (1.001-1.134)	5.162 (0.523)		
Simple mode	7	0.350	1.065	0.943	1.201	1.065 (0.943-1.201)			
Weighted mode	7	0.319	1.043	0.967	1.125	1.043 (0.967-1.125)			
CX3CR1 on CD14+ CD16+ monocyte									
MR Egger	17	0.098	1.182	0.982	1.424	1.182 (0.982-1.424)	22.062 (0.106)	-0.011	0.668
Weighted median	17	0.004	1.157	1.048	1.276	1.157 (1.048-1.276)			
Inverse variance weighted	17	0.002	1.140	1.048	1.240	1.140 (1.048-1.240)	22.344(0.132)		
Simple mode	17	0.030	1.273	1.043	1.554	1.273 (1.043-1.554)			
Weighted mode	17	0.006	1.176	1.063	1.300	1.176 (1.063-1.300)			
CX3CR1 on monocyte									
MR Egger	17	0.269	1.121	0.923	1.361	1.121 (0.923-1.361)	20.093 (0.168)	0.006	0.826
Weighted median	17	0.002	1.176	1.062	1.302	1.176 (1.062-1.302)			
Inverse variance weighted	17	0.001	1.143	1.054	1.240	1.143 (1.054-1.240)	20.161(0.213)		
Simple mode	17	0.038	1.241	1.029	1.495	1.241 (1.029-1.495)			
Weighted mode	17	0.006	1.194	1.069	1.335	1.194 (1.069-1.335)			
CX3CR1 on CD14+ CD16- monocyte									
MR Egger	17	0.209	1.136	0.939	1.373	1.136 (0.939-1.373)	28.842(0.017)	0.003	0.915
Weighted median	17	0.003	1.156	1.049	1.273	1.156 (1.049-1.273)			
Inverse variance weighted	17	0.002	1.146	1.051	1.250	1.146 (1.051-1.250)	28.865(0.025)		
Simple mode	17	0.034	1.250	1.035	1.510	1.250 (1.035-1.510)			
Weighted mode	17	0.007	1.172	1.060	1.296	1.172 (1.060-1.296)			
Activated & secreting CD4 regulatory T cell %CD4 regulatory T cell									
MR Egger	12	0.889	0.983	0.783	1.235	0.983 (0.783-1.235)	4.808(0.904)	0.044	0.153
Weighted median	12	0.027	1.153	1.016	1.308	1.153 (1.016-1.308)			
Inverse variance weighted	12	0.004	1.156	1.047	1.277	1.156 (1.047-1.277)	7.201(0.783)		

Simple mode	12	0.235	1.132	0.933	1.373	1.132 (0.933-1.373)			
Weighted mode	12	0.074	1.162	1.001	1.350	1.162 (1.001-1.350)			
Central Memory CD4+ T cell %T cell									
MR Egger	11	0.918	1.021	0.693	1.504	1.021 (0.693-1.504)	10.337 (0.324)	0.023	0.515
Weighted median	11	0.074	1.177	0.984	1.408	1.177 (0.984-1.408)			
Inverse variance weighted	11	0.031	1.157	1.014	1.321	1.157 (1.014-1.321)	10.864(0.368)		
Simple mode	11	0.178	1.208	0.935	1.559	1.208 (0.935-1.559)			
Weighted mode	11	0.187	1.216	0.928	1.593	1.216 (0.928-1.593)			
IgD+ CD24+ B cell %B cell									
MR Egger	10	0.013	1.387	1.135	1.695	1.387 (1.135-1.695)	7.669(0.466)	-0.047	0.080
Weighted median	10	0.138	1.143	0.958	1.363	1.143 (0.958-1.363)			
Inverse variance weighted	10	0.016	1.170	1.029	1.329	1.170 (1.029-1.329)	11.699(0.231)		
Simple mode	10	0.675	1.064	0.804	1.407	1.064 (0.804-1.407)			
Weighted mode	10	0.317	1.116	0.911	1.369	1.116 (0.911-1.369)			
CD16-CD56 on HLA DR+ Natural Killer									
MR Egger	12	0.343	1.140	0.881	1.474	1.140 (0.881-1.474)	5.216(0.876)	0.007	0.791
Weighted median	12	0.036	1.167	1.010	1.349	1.167 (1.010-1.349)			
Inverse variance weighted	12	0.003	1.177	1.056	1.312	1.177 (1.056-1.312)	5.290(0.916)		
Simple mode	12	0.023	1.342	1.078	1.670	1.342 (1.078-1.670)			
Weighted mode	12	0.129	1.166	0.970	1.401	1.166 (0.970-1.401)			
SSC-A on T cell									
MR Egger	12	0.427	1.330	0.678	2.609	1.330 (0.678-2.609)	13.321(0.206)	-0.018	0.730
Weighted median	12	0.226	1.123	0.931	1.355	1.123 (0.931-1.355)			
Inverse variance weighted	12	0.034	1.181	1.012	1.378	1.181 (1.012-1.378)	13.488(0.263)		
Simple mode	12	0.327	1.128	0.896	1.420	1.128 (0.896-1.420)			
Weighted mode	12	0.463	1.091	0.871	1.367	1.091 (0.871-1.367)			
CD25 on CD4 regulatory T cell									
MR Egger	9	0.756	0.944	0.667	1.336	0.944 (0.667-1.336)	1.537(0.981)	0.044	0.189
Weighted median	9	0.023	1.228	1.028	1.467	1.228 (1.028-1.467)			
Inverse variance weighted	9	0.010	1.197	1.044	1.372	1.197 (1.044-1.372)	3.655(0.887)		
Simple mode	9	0.086	1.349	0.999	1.822	1.349 (0.999-1.822)			
Weighted mode	9	0.053	1.353	1.043	1.755	1.353 (1.043-1.755)			
CX3CR1 on CD14- CD16+ monocyte									
MR Egger	11	0.149	1.450	0.914	2.301	1.450 (0.914-2.301)	6.047(0.735)	-0.032	0.437
Weighted median	11	0.014	1.225	1.042	1.440	1.225 (1.042-1.440)			
Inverse variance weighted	11	0.003	1.205	1.067	1.362	1.205 (1.067-1.362)	6.708(0.753)		
Simple mode	11	0.249	1.170	0.910	1.503	1.170 (0.910-1.503)			
Weighted mode	11	0.038	1.257	1.042	1.516	1.257 (1.042-1.516)			
CD20 on IgD- CD38+ B cell									
MR Egger	4	0.946	1.025	0.547	1.920	1.025 (0.547-1.920)	0.498(0.780)	0.041	0.626

Weighted median	4	0.165	1.157	0.942	1.421	1.157 (0.942-1.421)			
Inverse variance weighted	4	0.022	1.221	1.030	1.449	1.221 (1.030-1.449)	0.822(0.844)		
Simple mode	4	0.392	1.147	0.876	1.503	1.147 (0.876-1.503)			
Weighted mode	4	0.359	1.143	0.897	1.456	1.143 (0.897-1.456)			
CD28- CD8+ T cell Absolute Count									
MR Egger	11	0.806	0.931	0.532	1.626	0.931 (0.532-1.626)	12.069(0.209)	0.049	0.334
Weighted median	11	0.131	1.150	0.959	1.379	1.150 (0.959-1.379)			
Inverse variance weighted	11	0.006	1.231	1.060	1.430	1.231 (1.060-1.430)	13.467(0.199)		
Simple mode	11	0.497	1.095	0.851	1.409	1.095 (0.851-1.409)			
Weighted mode	11	0.355	1.104	0.904	1.350	1.104 (0.904-1.350)			
CD127- CD8+ T cell Absolute Count									
MR Egger	5	0.973	1.025	0.275	3.814	1.025 (0.275-3.814)	7.606(0.055)	0.039	0.731
Weighted median	5	0.022	1.280	1.037	1.579	1.280 (1.037-1.579)			
Inverse variance weighted	5	0.018	1.313	1.048	1.646	1.313 (1.048-1.646)	7.966(0.093)		
Simple mode	5	0.105	1.408	1.021	1.941	1.408 (1.021-1.941)			
Weighted mode	5	0.203	1.257	0.936	1.688	1.257 (0.936-1.688)			
CD25 on activated CD4 regulatory T cell									
MR Egger	7	0.805	1.151	0.399	3.319	1.151 (0.399-3.319)	3.752(0.586)	0.023	0.778
Weighted median	7	0.113	1.277	0.944	1.728	1.277 (0.944-1.728)			
Inverse variance weighted	7	0.006	1.347	1.089	1.667	1.347 (1.089-1.667)	3.840(0.698)		
Simple mode	7	0.667	1.095	0.738	1.625	1.095 (0.738-1.625)			
Weighted mode	7	0.263	1.252	0.876	1.788	1.252 (0.876-1.788)			

Table S6. Reverse MR – immune cell traits with negative beta coefficients.

	N of SNP	P value	beta	se	OR	L	U	Odd Ratio(95%)	Cochran's Q statistic(P value)	Intercept	Pintercept
Terminally Differentiated CD8+ T cell Absolute Count											
MR Egger	18	0.137	-0.118	0.075	0.889	0.767	1.030	0.889 (0.767-1.030)	33.253 (0.007)	0.011	0.613
Weighted median	18	0.011	-0.115	0.045	0.891	0.816	0.973	0.891 (0.816-0.973)			
Inverse variance weighted	18	0.043	-0.086	0.043	0.918	0.844	0.997	0.918 (0.844-0.997)	33.806 (0.009)		
Simple mode	18	0.256	-0.113	0.096	0.893	0.740	1.078	0.893 (0.740-1.078)			
Weighted mode	18	0.071	-0.081	0.042	0.922	0.850	1.002	0.922 (0.850-1.002)			
Terminally Differentiated CD8+ T cell %T cell											
MR Egger	18	0.123	-0.105	0.064	0.901	0.794	1.022	0.901 (0.794-1.022)	25.406 (0.063)	0.007	0.717
Weighted median	18	0.105	-0.073	0.045	0.930	0.851	1.015	0.930 (0.851-1.015)			
Inverse variance weighted	18	0.019	-0.085	0.036	0.918	0.855	0.986	0.918 (0.855-0.986)	25.623 (0.082)		
Simple mode	18	0.115	-0.165	0.100	0.848	0.697	1.030	0.848 (0.697-1.030)			
Weighted mode	18	0.068	-0.081	0.042	0.922	0.849	1.000	0.922 (0.849-1.000)			
CD45RA+ CD8+ T cell %T cell											
MR Egger	18	0.425	-0.037	0.046	0.963	0.881	1.054	0.963 (0.881-1.054)	15.075 (0.519)	-0.006	0.647

MR Egger	18	0.224	-0.098	0.077	0.907	0.779	1.055	0.907 (0.779-1.055)	37.527 (0.002)	0.004	0.865
Weighted median	18	0.205	-0.064	0.051	0.938	0.850	1.036	0.938 (0.850-1.036)			
Inverse variance weighted	18	0.045	-0.087	0.043	0.917	0.842	0.998	0.917 (0.842-0.998)	37.597 (0.003)		
Simple mode	18	0.616	-0.054	0.106	0.947	0.769	1.166	0.947 (0.769-1.166)			
Weighted mode	18	0.508	-0.031	0.046	0.970	0.887	1.060	0.970 (0.887-1.060)			
CD28- CD127- CD25++ CD8+ T cell %T cell											
MR Egger	18	0.233	-0.066	0.053	0.936	0.843	1.039	0.936 (0.843-1.039)	19.976 (0.221)	-0.010	0.548
Weighted median	18	0.088	-0.086	0.050	0.918	0.832	1.013	0.918 (0.832-1.013)			
Inverse variance weighted	18	0.002	-0.093	0.031	0.911	0.858	0.968	0.911 (0.858-0.968)	20.446 (0.252)		
Simple mode	18	0.142	-0.136	0.089	0.872	0.733	1.038	0.872 (0.733-1.038)			
Weighted mode	18	0.658	-0.020	0.045	0.980	0.898	1.070	0.980 (0.898-1.070)			
CD28- CD127- CD25++ CD8+ T cell %CD8+ T cell											
MR Egger	18	0.444	-0.043	0.055	0.958	0.860	1.067	0.958 (0.860-1.067)	20.039 (0.218)	-0.010	0.526
Weighted median	18	0.026	-0.091	0.041	0.913	0.842	0.989	0.913 (0.842-0.989)			
Inverse variance weighted	18	0.022	-0.072	0.031	0.931	0.875	0.990	0.931 (0.875-0.990)	20.565 (0.246)		
Simple mode	18	0.150	-0.113	0.075	0.893	0.771	1.034	0.893 (0.771-1.034)			
Weighted mode	18	0.140	-0.061	0.039	0.941	0.872	1.016	0.941 (0.872-1.016)			
CD28- CD127- CD25++ CD8+ T cell Absolute Count											
MR Egger	18	0.122	-0.080	0.049	0.923	0.839	1.016	0.923 (0.839-1.016)	16.298 (0.432)	-0.004	0.767
Weighted median	18	0.412	-0.035	0.043	0.965	0.887	1.050	0.965 (0.887-1.050)			
Inverse variance weighted	18	0.001	-0.092	0.028	0.912	0.863	0.964	0.912 (0.863-0.964)	16.391 (0.496)		
Simple mode	18	0.704	-0.029	0.076	0.971	0.836	1.127	0.971 (0.836-1.127)			
Weighted mode	18	0.109	-0.064	0.038	0.938	0.871	1.010	0.938 (0.871-1.010)			
CD28- CD25++ CD8+ T cell Absolute Count											
MR Egger	18	0.239	-0.066	0.054	0.936	0.842	1.041	0.936 (0.842-1.041)	21.753 (0.151)	-0.008	0.634
Weighted median	18	0.186	-0.057	0.043	0.945	0.868	1.028	0.945 (0.868-1.028)			
Inverse variance weighted	18	0.004	-0.088	0.031	0.916	0.863	0.973	0.916 (0.863-0.973)	22.072 (0.182)		
Simple mode	18	0.096	-0.144	0.082	0.866	0.738	1.016	0.866 (0.738-1.016)			
Weighted mode	18	0.110	-0.065	0.039	0.937	0.869	1.011	0.937 (0.869-1.011)			
CD127- CD8+ T cell %T cell											
MR Egger	18	0.192	-0.093	0.068	0.911	0.797	1.042	0.911 (0.797-1.042)	29.984 (0.018)	0.004	0.829
Weighted median	18	0.006	-0.136	0.049	0.873	0.793	0.961	0.873 (0.793-0.961)			
Inverse variance weighted	18	0.036	-0.081	0.039	0.922	0.855	0.995	0.922 (0.855-0.995)	30.074 (0.026)		
Simple mode	18	0.061	-0.175	0.087	0.840	0.708	0.996	0.840 (0.708-0.996)			
Weighted mode	18	0.006	-0.144	0.046	0.865	0.791	0.947	0.865 (0.791-0.947)			
CD28- CD8+ T cell %T cell											
MR Egger	18	0.174	-0.106	0.075	0.899	0.776	1.041	0.899 (0.776-1.041)	35.466 (0.003)	0.004	0.866
Weighted median	18	0.522	-0.032	0.050	0.969	0.878	1.068	0.969 (0.878-1.068)			
Inverse variance weighted	18	0.022	-0.096	0.042	0.908	0.837	0.986	0.908 (0.837-0.986)	35.531 (0.005)		
Simple mode	18	0.333	-0.102	0.102	0.903	0.739	1.103	0.903 (0.739-1.103)			
Weighted mode	18	0.079	-0.080	0.043	0.923	0.849	1.004	0.923 (0.849-1.004)			

	N of SNP	P value			OR	L	U	Odd Ratio(95%)	Cochran's Q statistic(P value)	Intercept	Pintercept
CD28- CD8+ T cell %CD8+ T cell											
MR Egger	18	0.225	-0.087	0.069	0.917	0.802	1.049	0.917 (0.802-1.049)	36.627 (0.002)	0.002	0.939
Weighted median	18	0.686	-0.017	0.043	0.983	0.904	1.069	0.983 (0.904-1.069)			
Inverse variance weighted	18	0.033	-0.082	0.039	0.921	0.854	0.993	0.921 (0.854-0.993)	36.641 (0.004)		
Simple mode	18	0.134	-0.165	0.105	0.848	0.691	1.041	0.848 (0.691-1.041)			
Weighted mode	18	0.081	-0.070	0.038	0.932	0.866	1.004	0.932 (0.866-1.004)			
CD28- CD8+ T cell Absolute Count											
MR Egger	18	0.144	-0.124	0.081	0.883	0.754	1.035	0.883 (0.754-1.035)	40.168 (0.0007)	0.010	0.655
Weighted median	18	0.377	-0.041	0.047	0.959	0.875	1.052	0.959 (0.875-1.052)			
Inverse variance weighted	18	0.039	-0.094	0.046	0.910	0.832	0.995	0.910 (0.832-0.995)	40.687 (0.001)		
Simple mode	18	0.652	-0.044	0.096	0.957	0.793	1.154	0.957 (0.793-1.154)			
Weighted mode	18	0.048	-0.079	0.037	0.924	0.859	0.994	0.924 (0.859-0.994)			
CD45RA- CD28- CD8+ T cell Absolute Count											
MR Egger	18	0.023	-13.319	5.295	1.644E-06	5.115E-11	0.053	1.644E-6 (5.115E-11-0.053)	15.122 (0.516)	2.332	0.143
Weighted median	18	0.028	-8.554	3.886	1.928E-04	9.494E-08	0.392	1.928E-4 (9.494E-8-0.392)			
Inverse variance weighted	18	0.032	-6.668	3.112	1.271E-03	2.850E-06	0.567	0.001 (2.850E-6-0.567)	17.497 (0.421)		
Simple mode	18	0.831	-1.711	7.884	1.806E-01	3.513E-08	928405.699	0.181 (3.513E-8-928405.699)			
Weighted mode	18	0.047	-8.072	3.777	3.122E-04	1.902E-07	0.513	3.12E-4 (1.902E-7-0.513)			
CD45RA- CD28- CD8+ T cell %CD8+ T cell											
MR Egger	18	0.055	-1.270	0.613	0.281	0.084	0.934	0.281 (0.084-0.934)	11.292 (0.791)	0.184	0.305
Weighted median	18	0.122	-0.762	0.493	0.467	0.178	1.225	0.467 (0.178-1.225)			
Inverse variance weighted	18	0.037	-0.740	0.355	0.477	0.238	0.956	0.477 (0.238-0.956)	12.41 (0.774)		
Simple mode	18	0.748	-0.273	0.835	0.761	0.148	3.908	0.761 (0.148-3.908)			
Weighted mode	18	0.115	-0.752	0.452	0.472	0.194	1.144	0.472 (0.194-1.144)			
CD45RA- CD28- CD8+ T cell %T cell											
MR Egger	18	0.033	-0.612	0.262	0.542	0.324	0.907	0.542 (0.324-0.907)	17.571 (0.350)	0.093	0.227
Weighted median	18	0.122	-0.308	0.199	0.735	0.498	1.086	0.735 (0.498-1.086)			
Inverse variance weighted	18	0.026	-0.343	0.154	0.709	0.524	0.960	0.709 (0.524-0.960)	19.302 (0.311)		
Simple mode	18	0.618	-0.187	0.369	0.829	0.402	1.709	0.829 (0.402-1.709)			
Weighted mode	18	0.075	-0.348	0.183	0.706	0.493	1.012	0.706 (0.493-1.012)			
CD19 on CD20- B cell											
MR Egger	18	0.219	-0.057	0.045	0.944	0.865	1.031	0.944 (0.865-1.031)	13.569 (0.631)	0.001	0.969
Weighted median	18	0.391	-0.031	0.037	0.969	0.902	1.041	0.969 (0.902-1.041)			
Inverse variance weighted	18	0.033	-0.056	0.026	0.946	0.898	0.996	0.946 (0.898-0.996)	13.571 (0.697)		
Simple mode	18	0.934	0.006	0.066	1.006	0.884	1.144	1.006 (0.884-1.144)			

Weighted mode	18	0.092	-0.059	0.033	0.943	0.884	1.006	0.943 (0.884-1.006)			
CD20 on IgD+ CD38- naive B cell											
MR Egger	17	0.194	-0.112	0.082	0.894	0.761	1.051	0.894 (0.761-1.051)	12.964 (0.605)	0.004	0.837
Weighted median	17	0.061	-0.111	0.059	0.895	0.797	1.005	0.895 (0.797-1.005)			
Inverse variance weighted	17	0.033	-0.097	0.046	0.907	0.830	0.992	0.907 (0.830-0.992)	13.008 (0.672)		
Simple mode	17	0.617	-0.052	0.102	0.949	0.777	1.159	0.949 (0.777-1.159)			
Weighted mode	17	0.072	-0.114	0.059	0.892	0.794	1.002	0.892 (0.794-1.002)			
CD3 on CD39+ CD4+ T cell											
MR Egger	18	0.082	-0.098	0.053	0.906	0.817	1.006	0.906 (0.817-1.006)	13.224 (0.656)	0.010	0.529
Weighted median	18	0.151	-0.061	0.043	0.940	0.865	1.023	0.940 (0.865-1.023)			
Inverse variance weighted	18	0.022	-0.071	0.031	0.932	0.877	0.990	0.932 (0.877-0.990)	13.638 (0.693)		
Simple mode	18	0.850	-0.014	0.075	0.986	0.851	1.141	0.986 (0.851-1.141)			
Weighted mode	18	0.060	-0.078	0.039	0.925	0.857	0.998	0.925 (0.857-0.998)			
CD8 on Natural Killer T											
MR Egger	18	0.140	-0.088	0.057	0.916	0.819	1.023	0.916 (0.819-1.023)	21.720 (0.152)	-0.003	0.870
Weighted median	18	0.001	-0.151	0.047	0.860	0.784	0.943	0.860 (0.784-0.943)			
Inverse variance weighted	18	0.003	-0.096	0.032	0.909	0.853	0.968	0.909 (0.853-0.968)	21.757 (0.194)		
Simple mode	18	0.036	-0.214	0.094	0.807	0.671	0.970	0.807 (0.671-0.970)			
Weighted mode	18	0.019	-0.099	0.038	0.906	0.841	0.976	0.906 (0.841-0.976)			

Table S7. Reverse MR – immune cell traits with positive beta coefficients.

	N of SNP	P value	beta	se	OR	L	U	Odd Ratio(95%)	Cochran's Q statistic(P value)	Intercept	Pintercept
CD62L- Dendritic Cell Absolute Count											
MR Egger	18	0.299	0.057	0.053	1.059	0.954	1.176	1.059 (0.954-1.176)	16.408 (0.425)	0.008	0.622
Weighted median	18	0.045	0.090	0.045	1.094	1.002	1.195	1.094 (1.002-1.195)			
Inverse variance weighted	18	0.009	0.079	0.030	1.083	1.020	1.149	1.083 (1.020-1.149)	16.666 (0.477)		
Simple mode	18	0.402	0.069	0.081	1.072	0.915	1.255	1.072 (0.915-1.255)			
Weighted mode	18	0.054	0.089	0.043	1.093	1.005	1.190	1.093 (1.005-1.190)			
CD62L- Dendritic Cell %Dendritic Cell											
MR Egger	18	0.041	0.122	0.055	1.130	1.015	1.259	1.130 (1.015-1.259)	14.568 (0.556)	-0.007	0.663
Weighted median	18	0.001	0.152	0.048	1.164	1.060	1.278	1.164 (1.060-1.278)			
Inverse variance weighted	18	0.001	0.102	0.032	1.108	1.041	1.179	1.108 (1.041-1.179)	14.766 (0.612)		
Simple mode	18	0.042	0.196	0.089	1.217	1.021	1.450	1.217 (1.021-1.450)			
Weighted mode	18	0.004	0.178	0.054	1.195	1.075	1.329	1.195 (1.075-1.329)			
HLA DR++ monocyte %leukocyte											
MR Egger	16	0.539	0.120	0.190	1.127	0.776	1.636	1.127 (0.776-1.636)	22.179 (0.075)	0.001	0.971
Weighted median	16	0.258	0.081	0.072	1.084	0.942	1.248	1.084 (0.942-1.248)			
Inverse variance weighted	16	0.035	0.126	0.060	1.135	1.009	1.276	1.135 (1.009-1.276)	22.181 (0.103)		

Simple mode	16	0.446	0.093	0.119	1.097	0.870	1.385	1.097 (0.870-1.385)			
Weighted mode	16	0.378	0.087	0.096	1.091	0.904	1.316	1.091 (0.904-1.316)			
Resting CD4 regulatory T cell Absolute Count											
MR Egger	17	0.051	0.173	0.082	1.189	1.013	1.396	1.189 (1.013-1.396)	22.545 (0.094)	-0.024	0.235
Weighted median	17	0.008	0.130	0.049	1.138	1.034	1.253	1.138 (1.034-1.253)			
Inverse variance weighted	17	0.046	0.087	0.044	1.091	1.001	1.189	1.091 (1.001-1.189)	24.846 (0.073)		
Simple mode	17	0.722	-0.036	0.100	0.965	0.794	1.172	0.965 (0.794-1.172)			
Weighted mode	17	0.022	0.129	0.051	1.137	1.030	1.256	1.137 (1.030-1.256)			
Activated & resting CD4 regulatory T cell Absolute Count											
MR Egger	17	0.048	0.159	0.074	1.173	1.014	1.356	1.173 (1.014-1.356)	17.029 (0.317)	-0.019	0.294
Weighted median	17	0.027	0.118	0.053	1.125	1.013	1.249	1.125 (1.013-1.249)			
Inverse variance weighted	17	0.021	0.091	0.039	1.095	1.014	1.184	1.095 (1.014-1.184)	18.373 (0.303)		
Simple mode	17	0.354	0.086	0.090	1.090	0.914	1.299	1.090 (0.914-1.299)			
Weighted mode	17	0.029	0.124	0.052	1.132	1.023	1.253	1.132 (1.023-1.253)			
Monocytic Myeloid-Derived Suppressor Cells Absolute Count											
MR Egger	17	0.026	0.242	0.098	1.274	1.050	1.545	1.274 (1.050-1.545)	19.867 (0.177)	-0.030	0.224
Weighted median	17	0.001	0.218	0.063	1.243	1.098	1.408	1.243 (1.098-1.408)			
Inverse variance weighted	17	0.012	0.138	0.055	1.147	1.031	1.277	1.147 (1.031-1.277)	21.997 (0.143)		
Simple mode	17	0.256	0.152	0.128	1.164	0.905	1.497	1.164 (0.905-1.497)			
Weighted mode	17	0.004	0.212	0.063	1.236	1.092	1.400	1.236 (1.092-1.400)			
Central Memory CD8+ T cell %CD8+ T cell											
MR Egger	18	0.095	0.106	0.060	1.112	0.989	1.251	1.112 (0.989-1.251)	23.178 (0.109)	-0.011	0.521
Weighted median	18	0.040	0.086	0.042	1.089	1.004	1.182	1.089 (1.004-1.182)			
Inverse variance weighted	18	0.029	0.074	0.034	1.077	1.008	1.152	1.077 (1.008-1.152)	23.801 (0.125)		
Simple mode	18	0.393	0.072	0.083	1.075	0.914	1.264	1.075 (0.914-1.264)			
Weighted mode	18	0.074	0.066	0.035	1.069	0.998	1.144	1.069 (0.998-1.144)			
CD4+/CD8+ T cell											
MR Egger	18	0.234	0.092	0.074	1.097	0.948	1.269	1.097 (0.948-1.269)	32.235 (0.009)	-0.003	0.903
Weighted median	18	0.534	0.030	0.049	1.031	0.937	1.135	1.031 (0.937-1.135)			
Inverse variance weighted	18	0.042	0.085	0.042	1.088	1.003	1.181	1.088 (1.003-1.181)	32.266 (0.014)		
Simple mode	18	0.857	0.015	0.083	1.015	0.863	1.194	1.015 (0.863-1.194)			
Weighted mode	18	0.161	0.060	0.041	1.062	0.980	1.151	1.062 (0.980-1.151)			
HLA DR+ CD4+ T cell %T cell											
MR Egger	18	0.074	0.128	0.067	1.137	0.997	1.297	1.137 (0.997-1.297)	38.285 (0.001)	-0.016	0.414
Weighted median	18	0.050	0.084	0.043	1.087	1.000	1.182	1.087 (1.000-1.182)			
Inverse variance weighted	18	0.032	0.083	0.038	1.086	1.007	1.171	1.086 (1.007-1.171)	39.967 (0.001)		
Simple mode	18	0.687	-0.038	0.092	0.963	0.805	1.153	0.963 (0.805-1.153)			
Weighted mode	18	0.019	0.088	0.034	1.092	1.022	1.167	1.092 (1.022-1.167)			
HLA DR+ CD4+ T cell %lymphocyte											
MR Egger	18	0.064	0.132	0.066	1.141	1.002	1.298	1.141 (1.002-1, 298)	35.074 (0.004)	-0.019	0.324
Weighted median	18	0.196	0.057	0.044	1.058	0.971	1.153	1.058 (0.971-1.153)			

Inverse variance weighted	18	0.045	0.077	0.038	1.080	1.002	1.164	1.080 (1.002-1.164)	37.340 (0.003)		
Simple mode	18	0.817	-0.020	0.087	0.980	0.826	1.162	0.980 (0.826-1.162)			
Weighted mode	18	0.033	0.084	0.036	1.088	1.013	1.168	1.088 (1.013-1.168)			
CD28+ CD45RA- CD8+ T cell %CD8+ T cell											
MR Egger	18	0.450	0.044	0.057	1.045	0.935	1.169	1.045 (0.935-1.169)	19.719 (0.233)	0.013	0.445
Weighted median	18	0.467	0.031	0.043	1.032	0.949	1.122	1.032 (0.949-1.122)			
Inverse variance weighted	18	0.013	0.081	0.033	1.084	1.017	1.155	1.084 (1.017-1.155)	20.473 (0.251)		
Simple mode	18	0.016	0.249	0.093	1.283	1.069	1.540	1.283 (1.069-1.540)			
Weighted mode	18	0.109	0.067	0.039	1.069	0.990	1.155	1.069 (0.990-1.155)			
CD38 on IgD+ B cell											
MR Egger	17	0.045	0.136	0.062	1.146	1.014	1.294	1.146 (1.014-1.294)	8.732 (0.891)	-0.019	0.234
Weighted median	17	0.030	0.097	0.044	1.101	1.009	1.202	1.101 (1.009-1.202)			
Inverse variance weighted	17	0.036	0.072	0.034	1.074	1.005	1.149	1.074 (1.005-1.149)	10.272 (0.852)		
Simple mode	17	0.243	0.090	0.074	1.095	0.946	1.267	1.095 (0.946-1.267)			
Weighted mode	17	0.038	0.100	0.044	1.105	1.014	1.205	1.105 (1.104-1.205)			
CD8 on Effector Memory CD8+ T cell											
MR Egger	18	0.210	0.067	0.051	1.070	0.967	1.183	1.070 (0.967-1.183)	13.472 (0.638)	0.007	0.634
Weighted median	18	0.043	0.081	0.040	1.085	1.003	1.173	1.085 (1.003-1.173)			
Inverse variance weighted	18	0.004	0.088	0.030	1.091	1.029	1.158	1.091 (1.029-1.158)	13.707 (0.688)		
Simple mode	18	0.354	0.067	0.071	1.069	0.931	1.228	1.069 (0.931-1.228)			
Weighted mode	18	0.055	0.075	0.036	1.078	1.004	1.157	1.078 (1.004-1.157)			
CD8 on HLA DR+ CD8+ T cell											
MR Egger	18	0.105	0.085	0.049	1.089	0.988	1.199	1.089 (0.988-1.199)	16.124 (0.444)	-0.006	0.713
Weighted median	18	0.203	0.055	0.043	1.057	0.971	1.150	1.057 (0.971-1.150)			
Inverse variance weighted	18	0.015	0.070	0.029	1.072	1.014	1.134	1.072 (1.014-1.134)	16.266 (0.505)		
Simple mode	18	0.538	0.050	0.079	1.051	0.900	1.228	1.051 (0.900-1.228)			
Weighted mode	18	0.066	0.072	0.037	1.075	1.000	1.155	1.075 (1.000-1.155)			
HLA DR on B cell											
MR Egger	17	0.057	0.144	0.070	1.155	1.007	1.324	1.155 (1.007-1.324)	13.528 (0.562)	-0.007	0.682
Weighted median	17	0.024	0.112	0.050	1.118	1.015	1.232	1.118 (1.015-1.232)			
Inverse variance weighted	17	0.002	0.120	0.038	1.127	1.046	1.214	1.127 (1.046-1.214)	13.703 (0.621)		
Simple mode	17	0.194	0.121	0.089	1.129	0.947	1.345	1.129 (0.947-1.345)			
Weighted mode	17	0.041	0.117	0.053	1.124	1.014	1.246	1.124 (1.014-1.246)			