

MR analysis between the perturbational phenotyping of human blood cells and immune cells (p < 1E-05)													
Id exposure	Exposure	Outcome	Method	nexp	b	se	p-value	lo ci	up ci	or	or k95	or ne95	
GCST90257044	Eosinophil perturbation response (side scatter median of eosinophil 1 at baseline measured by WDF dye)	CD33 on CD33br HLA DR+ CD14dim	MR Egger	15	-0.01519	0.186164	0.936215	-0.38007	0.349692	0.984926	0.683184	1.41863	
GCST90257044	Eosinophil perturbation response (side scatter median of eosinophil 1 at baseline measured by WDF dye)	CD33 on CD33br HLA DR+ CD14dim	Weighted median	15	-0.09036	0.074875	0.22645	-0.23732	0.056189	0.931415	0.788739	1.057798	
GCST90257044	Eosinophil perturbation response (side scatter median of eosinophil 1 at baseline measured by WDF dye)	CD33 on CD33br HLA DR+ CD14dim	Inverse variance weighted	15	-0.11917	0.054966	0.001152	-0.2269	-0.01144	0.857658	0.796097	0.988627	
GCST90257044	Eosinophil perturbation response (side scatter median of eosinophil 1 at baseline measured by WDF dye)	CD33 on CD33br HLA DR+ CD14dim	Simple mode	15	-0.00953	0.113132	0.548694	-0.29127	0.152211	0.932834	0.747315	1.164406	
GCST90257044	Eosinophil perturbation response (side scatter median of eosinophil 1 at baseline measured by WDF dye)	CD33 on CD33br HLA DR+ CD14dim	Weighted mode	15	-0.09549	0.085835	0.284652	-0.26373	0.072743	0.908924	0.768181	1.075454	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	Mo MDSC AC	MR Egger	10	0.143451	0.139186	0.326562	-0.12735	0.418255	1.156561	0.880423	1.519308	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	Mo MDSC AC	Weighted median	10	0.060302	0.05746	0.227779	-0.08332	0.183824	1.07178	0.957466	1.199523	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	Mo MDSC AC	Inverse variance weighted	10	0.109512	0.046642	0.018879	0.038093	0.200931	1.115734	1.018258	1.22554	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	Mo MDSC AC	Simple mode	10	0.143886	0.101472	0.189876	-0.055	0.342772	1.154753	0.946486	1.408847	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	Mo MDSC AC	Weighted mode	10	0.06126	0.07184	0.411931	-0.07955	0.202067	1.063175	0.923534	1.22393	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ CD16- monocyte	MR Egger	10	-0.25841	0.106044	0.041983	-0.46426	-0.04836	0.733825	0.623602	0.952586	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ CD16- monocyte	Weighted median	10	-0.07199	0.049321	0.144405	-0.16866	0.024681	0.930542	0.844798	1.024988	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ CD16- monocyte	Inverse variance weighted	10	-0.08049	0.035486	0.023231	-0.15004	-0.01093	0.922668	0.860675	0.989125	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ CD16- monocyte	Simple mode	10	-0.06983	0.089476	0.455182	-0.2452	0.105545	0.932554	0.782546	1.111516	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ CD16- monocyte	Weighted mode	10	-0.05025	0.06714	0.473308	-0.18184	0.081345	0.959993	0.833733	1.084745	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ monocyte	MR Egger	10	-0.23949	0.106248	0.054222	-0.44774	-0.03124	0.787029	0.639073	0.969239	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ monocyte	Weighted median	10	-0.08897	0.049639	0.073097	-0.18626	0.008328	0.914877	0.830059	1.008363	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ monocyte	Inverse variance weighted	10	-0.07798	0.035553	0.02828	-0.14767	-0.0083	0.924982	0.862372	0.991737	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ monocyte	Simple mode	10	-0.08781	0.089971	0.35456	-0.26416	0.08833	0.952932	0.767854	1.092587	
GCST90257083	Neutrophil perturbation response (neutrophil 2/neutrophil 4 ratio in response to water perturbation measured by WDF dye)	HLA DR on CD14+ monocyte	Weighted mode	10	-0.03786	0.070426	0.603872	-0.1759	0.100172	0.962845	0.838703	1.105361	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Sw mem %B cell	MR Egger	8	0.051011	0.035019	0.195466	-0.01763	0.119649	1.052335	0.982528	1.127101	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Sw mem %B cell	Weighted median	8	0.026171	0.013171	0.046024	-0.000355	0.051987	1.026517	1.000355	1.053362	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Sw mem %B cell	Inverse variance weighted	8	0.026222	0.009937	0.008318	-0.006746	0.045097	1.026568	1.006769	1.046758	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Sw mem %B cell	Simple mode	8	0.029842	0.020036	0.17999	-0.00943	0.069113	1.030292	0.990616	1.071558	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Sw mem %B cell	Weighted mode	8	0.02526	0.017032	0.181628	-0.00812	0.058643	1.025581	0.991909	1.060396	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Secreting Treg %CD4	MR Egger	8	0.044106	0.05312	0.438154	-0.06001	0.148222	1.045093	0.941755	1.15977	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Secreting Treg %CD4	Weighted median	8	0.018219	0.014993	0.224369	-0.01117	0.04781	1.018386	0.958891	1.048761	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Secreting Treg %CD4	Inverse variance weighted	8	0.028167	0.014054	0.044589	-0.00068	0.055635	1.025865	1.000481	1.057232	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Secreting Treg %CD4	Simple mode	8	0.017858	0.023028	0.46344	-0.02728	0.062992	1.018018	0.973092	1.065018	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	Secreting Treg %CD4	Weighted mode	8	0.016793	0.020141	0.431936	-0.02268	0.05627	1.016935	0.977572	1.057883	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD25+ CD8b %T cell	MR Egger	8	0.048245	0.036323	0.232395	-0.02295	0.119438	1.049428	0.977313	1.126864	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD25+ CD8b %T cell	Weighted median	8	0.023274	0.013901	0.096209	-0.00415	0.050609	1.023547	0.995861	1.052003	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD25+ CD8b %T cell	Inverse variance weighted	8	0.027645	0.010303	0.007294	-0.00745	0.047839	1.028031	1.007478	1.049002	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD25+ CD8b %T cell	Simple mode	8	0.048116	0.021975	0.0064718	-0.005045	0.091187	1.049292	1.005058	1.095474	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD25+ CD8b %T cell	Weighted mode	8	0.045166	0.020028	0.038751	-0.005911	0.084421	1.046201	1.005929	1.080897	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD28+ CD45RA- CD8b %CD8b	MR Egger	8	0.060932	0.040592	0.184004	-0.01363	0.140902	1.062827	0.981545	1.15084	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD28+ CD45RA- CD8b %CD8b	Weighted median	8	0.037473	0.013451	0.009795	-0.000838	0.061107	1.035354	1.008415	1.063012	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD28+ CD45RA- CD8b %CD8b	Inverse variance weighted	8	0.028519	0.011242	0.011189	-0.006484	0.050554	1.028929	1.006505	1.051853	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD28+ CD45RA- CD8b %CD8b	Simple mode	8	0.034028	0.018904	0.056963	-0.005976	0.08008	1.043967	1.005993	1.083374	
GCST90257089	Platelet perturbation response (side scatter standard deviation of platelet in response to captopril perturbation measured by WNR dye)	CD28+ CD45RA- CD8b %CD8b	Weighted mode	8	0.037918	0.01668	0.057714	-0.005125	0.070511	1.038542	1.005138	1.073057	