S4 Table. Bidirectional MR analysis for the identified proteins in the main analysis: from breast cancer subtype to proteins.

	Luminal A-like												Luminal B-like									
protein	IVW OR (95% CI)	IVW P	IVW FDR-Adjusted P	Median OR (95% CI)	Median P	Median FDR-Adjusted P	Egger OR (95% CI)	Egger P	Egger FDR-Adjusted P	MR PRESSO OR (95% CI)	MR PRESSO P	MR PRESSO FDR-Adjusted P	IVW OR (95% CI)	IVW P	IVW FDR-Adjusted P	Median OR (95% CI)	Median P	Median FDR-Adjusted P	Egger OR (95% CI)	Egger P	Egger FDR-Adjusted P	MR PRESSO OR (95% CI)
ABO	1.04 (1.00 - 1.09)	0.063	0.507	1.07 (0.99 - 1.15)	0.109	0.859	1.02 (0.92 - 1.13)	0.738	0.962	1.04 (1.00 - 1.09)	0.064	0.487	1.06 (0.97 - 1.15)	0.198	0.993	1.09 (0.97 - 1.23)	0.143	0.987	1.00 (0.77 - 1.29)	0.977	0.992	1.06 (0.98 - 1.14)
ACPL2	1.03 (0.98 - 1.07)	0.273	0.781	0.99 (0.92 - 1.07)	0.863	0.983	1.01 (0.92 - 1.12)	0.811	0.966	1.03 (0.98 - 1.07)	0.272	0.769	1.04 (0.94 - 1.14)	0.489	0.996	0.94 (0.84 - 1.06)	0.341	0.987	0.78 (0.58 - 1.04)	0.092	0.672	1.04 (0.94 - 1.14)
ADGRF1	1.02 (0.97 - 1.06)	0.474	0.893	0.99 (0.92 - 1.08)	0.885	0.988	1.01 (0.91 - 1.11)	0.861	0.975	1.02 (0.97 - 1.06)	0.469	0.879	1.02 (0.93 - 1.12)	0.685	0.996	1.02 (0.90 - 1.15)	0.804	0.987	0.73 (0.56 - 0.95)	0.019	0.58	1.02 (0.93 - 1.12)
ADH1B	1.03 (0.98 - 1.08)	0.254	0.773	1.03 (0.95 - 1.12)	0.449	0.935	1.08 (0.98 - 1.20)	0.128	0.732	1.03 (0.98 - 1.08)	0.255	0.758	1.02 (0.94 - 1.11)	0.643	0.996	1.01 (0.89 - 1.14)	0.887	0.987	1.20 (0.93 - 1.55)	0.166	0.734	1.02 (0.95 - 1.10)
ANAPC7	0.97 (0.93 - 1.02)	0.27	0.779	0.98 (0.90 - 1.07)	0.665	0.968	0.98 (0.88 - 1.08)	0.649	0.944	0.97 (0.93 - 1.02)	0.271	0.769	1.01 (0.93 - 1.10)	0.766	0.996	0.98 (0.87 - 1.10)	0.713	0.987	1.02 (0.79 - 1.32)	0.855	0.966	1.01 (0.95 - 1.08)
ASIP	1.00 (0.96 - 1.05)	0.897	0.983	1.02 (0.94 - 1.11)	0.671	0.968	1.04 (0.94 - 1.15)	0.475	0.892	1.00 (0.96 - 1.05)	0.897	0.981	1.00 (0.91 - 1.11)	0.936	0.996	1.03 (0.91 - 1.17)	0.64	0.987	1.56 (1.21 - 2.02)	0.001	0.477	1.00 (0.91 - 1.11)
C1GALT1C1	1.04 (1.00 - 1.09)	0.066	0.511	1.04 (0.97 - 1.13)	0.272	0.885	0.96 (0.87 - 1.06)	0.451	0.889	1.04 (1.00 - 1.09)	0.067	0.495	0.99 (0.92 - 1.08)	0.868	0.996	0.98 (0.87 - 1.10)	0.728	0.987	1.19 (0.92 - 1.54)	0.188	0.743	0.99 (0.92 - 1.07)
C1QTNF5	1.00 (0.95 - 1.05)	0.935	0.99	1.01 (0.93 - 1.10)	0.745	0.971	1.05 (0.94 - 1.16)	0.413	0.874	1.00 (0.95 - 1.05)	0.935	0.99	0.99 (0.91 - 1.08)	0.79	0.996	1.00 (0.88 - 1.12)	0.946	0.987	1.18 (0.91 - 1.54)	0.214	0.756	0.99 (0.91 - 1.08)
CAMK1	1.02 (0.97 - 1.07)	0.513	0.9	1.02 (0.94 - 1.10)	0.624	0.968	1.07 (0.97 - 1.19)	0.183	0.769	1.02 (0.97 - 1.07)	0.513	0.889	1.00 (0.92 - 1.08)	0.934	0.996	1.01 (0.90 - 1.14)	0.842	0.987	1.02 (0.79 - 1.32)	0.883	0.979	1.00 (0.92 - 1.08)
CAMK1D	1.02 (0.97 - 1.06)	0.518	0.904	1.02 (0.94 - 1.10)	0.689	0.97	1.09 (0.99 - 1.21)	0.074	0.646	1.02 (0.97 - 1.06)	0.51	0.889	1.02 (0.94 - 1.11)	0.624	0.996	1.03 (0.92 - 1.15)	0.65	0.987	1.04 (0.81 - 1.35)	0.752	0.933	1.02 (0.95 - 1.10)
CAST	1.01 (0.96 - 1.06)	0.683	0.944	0.99 (0.92 - 1.07)	0.863	0.983	0.99 (0.90 - 1.09)	0.842	0.971	1.01 (0.97 - 1.05)	0.668	0.929	0.97 (0.88 - 1.06)	0.453	0.996	0.99 (0.88 - 1.12)	0.92	0.987	1.02 (0.76 - 1.37)	0.905	0.982	0.97 (0.88 - 1.06)
CD200	1.02 (0.97 - 1.07)	0.484	0.893	0.99 (0.91 - 1.07)	0.818	0.979	0.94 (0.85 - 1.04)	0.206	0.787	1.02 (0.97 - 1.07)	0.485	0.88	0.96 (0.85 - 1.07)	0.424	0.996	0.97 (0.85 - 1.11)	0.648	0.987	0.87 (0.61 - 1.25)	0.455	0.86	0.96 (0.85 - 1.07)
CD300C	0.98 (0.94 - 1.03)	0.494	0.895	0.99 (0.91 - 1.07)	0.753	0.972	0.97 (0.88 - 1.07)	0.59	0.932	0.98 (0.94 - 1.03)	0.475	0.88	0.97 (0.88 - 1.07)	0.52	0.996	0.95 (0.83 - 1.08)	0.451	0.987	0.74 (0.55 - 0.98)	0.037	0.624	0.97 (0.88 - 1.07)
CDH5	0.98 (0.94 - 1.03)	0.382	0.87	0.97 (0.90 - 1.05)	0.47	0.942	1.00 (0.90 - 1.10)	0.964	0.994	0.98 (0.94 - 1.02)	0.348	0.837	0.98 (0.90 - 1.07)	0.653	0.996	1.01 (0.90 - 1.13)	0.893	0.987	1.14 (0.88 - 1.47)	0.333	0.818	0.98 (0.91 - 1.06)
CLEC12A	0.97 (0.92 - 1.01)	0.172	0.694	0.98 (0.91 - 1.06)	0.577	0.964	0.95 (0.86 - 1.05)	0.321	0.844	0.97 (0.92 - 1.01)	0.174	0.677	0.94 (0.85 - 1.05)	0.307	0.996	0.86 (0.76 - 0.98)	0.023	0.987	0.88 (0.62 - 1.24)	0.464	0.865	0.94 (0.85 - 1.05)
CLK2	0.98 (0.94 - 1.03)	0.49	0.895	0.98 (0.90 - 1.06)	0.555	0.956	1.01 (0.92 - 1.12)	0.78	0.966	0.98 (0.94 - 1.03)	0.474	0.88	0.99 (0.91 - 1.08)	0.847	0.996	0.97 (0.86 - 1.09)	0.567	0.987	0.86 (0.67 - 1.12)	0.266	0.779	0.99 (0.92 - 1.06)
CPNE1	1.00 (0.95 - 1.04)	0.904	0.983	1.01 (0.94 - 1.10)	0.705	0.97	1.04 (0.94 - 1.15)	0.44	0.885	1.00 (0.95 - 1.04)	0.904	0.982	1.04 (0.95 - 1.13)	0.416	0.996	1.06 (0.94 - 1.19)	0.356	0.987	1.07 (0.82 - 1.41)	0.618	0.902	1.04 (0.95 - 1.13)
CST7	0.97 (0.93 - 1.02)	0.281	0.786	0.94 (0.86 - 1.01)	0.103	0.853	0.96 (0.86 - 1.07)	0.496	0.897	0.97 (0.93 - 1.02)	0.282	0.778	0.92 (0.85 - 1.00)	0.053	0.993	0.92 (0.82 - 1.03)	0.154	0.987	0.85 (0.65 - 1.09)	0.2	0.744	0.92 (0.86 - 0.99)
CTSS	1.01 (0.96 - 1.05)	0.793	0.969	1.01 (0.94 - 1.09)	0.806	0.979	1.00 (0.90 - 1.11)	0.988	0.997	1.01 (0.96 - 1.05)	0.793	0.966	0.96 (0.88 - 1.04)	0.298	0.996	0.92 (0.82 - 1.03)	0.162	0.987	1.05 (0.81 - 1.36)	0.696	0.924	0.96 (0.90 - 1.02)
DOCK9	0.99 (0.95 - 1.04)	0.663	0.932	0.99 (0.91 - 1.07)	0.715	0.97	0.93 (0.84 - 1.03)	0.148	0.746	0.99 (0.95 - 1.04)	0.661	0.925	0.95 (0.88 - 1.03)	0.233	0.993	1.00 (0.89 - 1.12)	0.999	0.999	1.21 (0.94 - 1.56)	0.145	0.727	0.95 (0.88 - 1.03)
DPP7	0.97 (0.92 - 1.01)	0.126	0.627	0.94 (0.87 - 1.01)	0.114	0.86	0.94 (0.85 - 1.04)	0.228	0.803	0.97 (0.92 - 1.01)	0.113	0.589	0.94 (0.86 - 1.02)	0.162	0.993	0.91 (0.81 - 1.03)	0.132	0.987	0.70 (0.54 - 0.91)	0.007	0.548	0.94 (0.86 - 1.02)
ENG	1.01 (0.97 - 1.06)	0.601	0.915	1.01 (0.94 - 1.10)	0.73	0.971	0.98 (0.89 - 1.09)	0.728	0.96	1.01 (0.97 - 1.06)	0.583	0.903	0.99 (0.90 - 1.09)	0.866	0.996	1.02 (0.91 - 1.15)	0.715	0.987	0.83 (0.61 - 1.13)	0.241	0.771	0.99 (0.90 - 1.09)
ERAP1	1.00 (0.96 - 1.05)	0.871	0.98	1.00 (0.92 - 1.08)	0.925	0.992	1.01 (0.92 - 1.12)	0.809	0.966	1.00 (0.96 - 1.05)	0.868	0.978	0.94 (0.85 - 1.04)	0.22	0.993	0.97 (0.86 - 1.10)	0.659	0.987	1.10 (0.80 - 1.53)	0.545	0.886	0.94 (0.85 - 1.04)
F8	0.97 (0.93 - 1.02)	0.237	0.756	0.99 (0.91 - 1.07)	0.771	0.973	0.96 (0.87 - 1.07)	0.462	0.889	0.97 (0.93 - 1.02)	0.238	0.745	0.93 (0.86 - 1.01)	0.102	0.993	0.97 (0.86 - 1.09)	0.589	0.987	1.06 (0.82 - 1.37)	0.658	0.911	0.93 (0.87 - 1.00)
FAM3D	0.98 (0.94 - 1.03)	0.488	0.895	0.99 (0.92 - 1.07)	0.86	0.983	1.01 (0.91 - 1.11)	0.888	0.981	0.98 (0.94 - 1.03)	0.475	0.88	0.99 (0.92 - 1.08)	0.874	0.996	1.02 (0.91 - 1.14)	0.775	0.987	0.91 (0.71 - 1.18)	0.489	0.87	0.99 (0.95 - 1.04)
FASLG	0.96 (0.92 - 1.01)	0.1	0.592	0.98 (0.91 - 1.06)	0.603	0.968	1.00 (0.91 - 1.11)	0.989	0.997	0.96 (0.92 - 1.01)	0.085	0.532	0.96 (0.88 - 1.04)	0.332	0.996	0.97 (0.87 - 1.09)	0.599	0.987	0.93 (0.72 - 1.21)	0.594	0.902	0.96 (0.89 - 1.04)
FCGR2A	0.92 (0.88 - 0.97)	0.001	0.093	0.92 (0.85 - 1.00)	0.043	0.772	0.89 (0.80 - 0.98)	0.024	0.542	0.92 (0.88 - 0.97)	0.001	0.082	0.92 (0.85 - 1.00)	0.044	0.993	0.87 (0.77 - 0.98)	0.018	0.987	1.01 (0.78 - 1.31)	0.929	0.986	0.92 (0.86 - 0.98)
FGF19	0.99 (0.94 - 1.03)	0.59	0.913	0.95 (0.89 - 1.03)	0.229	0.871	0.91 (0.83 - 1.01)	0.077	0.646	0.99 (0.94 - 1.03)	0.588	0.903	0.98 (0.91 - 1.07)	0.669	0.996	0.96 (0.85 - 1.09)	0.563	0.987	0.90 (0.70 - 1.16)	0.413	0.845	0.98 (0.91 - 1.06)
FKBP6	1.01 (0.97 - 1.06)	0.59	0.913	1.02 (0.95 - 1.11)	0.538	0.951	1.10 (1.00 - 1.22)	0.061	0.646	1.01 (0.97 - 1.06)	0.591	0.903	1.06 (0.98 - 1.15)	0.158	0.993	1.04 (0.92 - 1.17)	0.505	0.987	0.98 (0.76 - 1.27)	0.905	0.982	1.06 (0.98 - 1.14)
FLT4	1.01 (0.96 - 1.05)	0.75	0.955	1.04 (0.96 - 1.13)	0.344	0.903	0.97 (0.88 - 1.08)	0.616	0.941	1.01 (0.96 - 1.05)	0.746	0.952	0.95 (0.87 - 1.03)	0.176	0.993	0.98 (0.87 - 1.10)	0.735	0.987	1.22 (0.94 - 1.58)	0.128	0.709	0.95 (0.88 - 1.02)
FUT3	0.98 (0.93 - 1.03)	0.376	0.867	0.97 (0.90 - 1.06)	0.522	0.951	1.01 (0.91 - 1.13)	0.806	0.966	0.98 (0.93 - 1.03)	0.377	0.854	1.01 (0.91 - 1.11)	0.869	0.996	0.97 (0.86 - 1.10)	0.637	0.987	1.20 (0.89 - 1.63)	0.225	0.767	1.01 (0.91 - 1.11)
GBP6	1.01 (0.97 - 1.06)	0.539	0.905	0.98 (0.90 - 1.05)	0.553	0.955	0.99 (0.90 - 1.10)	0.904	0.983	1.01 (0.97 - 1.06)	0.536	0.893	1.01 (0.93 - 1.10)	0.737	0.996	0.96 (0.85 - 1.08)	0.488	0.987	0.85 (0.66 - 1.10)	0.215	0.758	1.01 (0.94 - 1.09)
GLT8D1	0.95 (0.91 - 0.99)	0.029	0.388	0.95 (0.89 - 1.03)	0.219	0.871	0.91 (0.82 - 1.01)	0.074	0.646	0.95 (0.91 - 0.99)	0.03	0.375	0.96 (0.88 - 1.04)	0.286	0.996	0.96 (0.86 - 1.08)	0.531	0.987	0.78 (0.60 - 1.00)	0.052	0.631	0.96 (0.88 - 1.03)
GNS	1.03 (0.99 - 1.08)	0.17	0.694	1.04 (0.96 - 1.13)	0.353	0.903	1.05 (0.95 - 1.16)	0.326	0.846	1.03 (0.99 - 1.08)	0.161	0.666	1.03 (0.92 - 1.15)	0.63	0.996	1.06 (0.94 - 1.19)	0.354	0.987	0.97 (0.68 - 1.40)	0.88	0.978	1.03 (0.92 - 1.15)
GOLM1	1.00 (0.95 - 1.05)	0.983	0.997	0.98 (0.91 - 1.06)	0.671	0.968	0.97 (0.87 - 1.07)	0.529	0.909	1.00 (0.95 - 1.05)	0.983	0.997	1.00 (0.92 - 1.09)	0.961	0.996	0.99 (0.88 - 1.11)	0.819	0.987	0.89 (0.69 - 1.15)	0.369	0.834	1.00 (0.93 - 1.08)
GPD1L	1.02 (0.97 - 1.07)	0.407	0.879	1.00 (0.93 - 1.08)	0.994	0.998	1.01 (0.91 - 1.12)	0.84	0.97	1.02 (0.98 - 1.06)	0.374	0.852	1.01 (0.92 - 1.10)	0.894	0.996	0.99 (0.88 - 1.13)	0.927	0.987	0.80 (0.62 - 1.04)	0.092	0.673	1.01 (0.92 - 1.10)
GRIA4	1.04 (0.99 - 1.09)	0.091	0.569	1.02 (0.94 - 1.11)	0.591	0.968	1.09 (0.98 - 1.20)	0.1	0.693	1.04 (1.00 - 1.09)	0.075	0.508	1.00 (0.92 - 1.09)	0.935	0.996	1.04 (0.93 - 1.17)	0.467	0.987	1.10 (0.85 - 1.42)	0.485	0.87	1.00 (0.93 - 1.08)
HBZ	0.95 (0.91 - 0.99)	0.022	0.38	1.00 (0.92 - 1.08)	0.98	0.996	0.93 (0.84 - 1.03)	0.161	0.75	0.95 (0.91 - 0.99)	0.022	0.362	0.98 (0.90 - 1.07)	0.689	0.996	1.04 (0.93 - 1.17)	0.477	0.987	1.11 (0.85 - 1.45)	0.426	0.854	0.98 (0.90 - 1.07)
HSPA1L	0.99 (0.94 - 1.03)	0.613	0.917	1.00 (0.92 - 1.08)	0.994	0.998	1.01 (0.92 - 1.12)	0.794	0.966	0.99 (0.95 - 1.03)	0.604	0.906	1.01 (0.93 - 1.09)	0.876	0.996	1.00 (0.89 - 1.13)	0.992	0.999	0.92 (0.71 - 1.19)	0.541	0.885	1.01 (0.93 - 1.08)
ICAM1	1.01 (0.97 - 1.06)	0.611	0.917	1.04 (0.96 - 1.12)	0.356	0.903	1.07 (0.96 - 1.18)	0.233	0.803	1.01 (0.97 - 1.06)	0.612	0.909	1.06 (0.97 - 1.15)	0.194	0.993	1.11 (0.98 - 1.25)	0.088	0.987	0.96 (0.74 - 1.24)	0.737	0.928	1.06 (0.98 - 1.13)
ICAM2	1.01 (0.97 - 1.06)	0.619	0.917	1.04 (0.96 - 1.13)	0.353	0.903	1.05 (0.95 - 1.16)	0.313	0.841	1.01 (0.97 - 1.06)	0.599	0.904	1.04 (0.95 - 1.15)	0.373	0.996	1.07 (0.95 - 1.21)	0.253	0.987	0.94 (0.69 - 1.26)	0.667	0.918	1.04 (0.95 - 1.15)
ICAM5	0.99 (0.95 - 1.04)	0.813	0.972	0.99 (0.92 - 1.08)	0.877	0.988	1.00 (0.90 - 1.12)	0.962	0.994	0.99 (0.95 - 1.04)	0.813	0.969	0.99 (0.90 - 1.10)	0.904	0.996	1.04 (0.92 - 1.17)	0.554	0.987	1.07 (0.77 - 1.49)	0.67	0.919	0.99 (0.90 - 1.10)
IGF1R	1.02 (0.97 - 1.06)	0.495	0.895	1.04 (0.96 - 1.12)	0.372	0.907	1.07 (0.97 - 1.18)	0.184	0.769	1.02 (0.97 - 1.06)	0.486	0.88	0.98 (0.90 - 1.06)	0.62	0.996	1.00 (0.89 - 1.12)	0.942	0.987	1.30 (1.01 - 1.68)	0.044	0.625	0.98 (0.91 - 1.05)
IL15RA	1.03 (0.98 - 1.08)	0.199	0.733	1.01 (0.93 - 1.09)	0.839	0.98	1.07 (0.97 - 1.19)	0.186	0.774	1.03 (0.98 - 1.08)	0.2	0.72	1.02 (0.94 - 1.11)	0.616	0.996	0.99 (0.88 - 1.12)	0.872	0.987	0.99 (0.76 - 1.28)	0.929	0.986	1.02 (0.95 - 1.09)
IL17RA	1.03 (0.99 - 1.08)	0.139	0.653	1.03 (0.95 - 1.12)	0.512	0.951	1.01 (0.91 - 1.11)	0.914	0.983	1.03 (0.99 - 1.08)	0.124	0.603	1.03 (0.95 - 1.12)	0.443	0.996	1.03 (0.91 - 1.16)	0.638	0.987	1.10 (0.85 - 1.42)	0.468	0.866	1.03 (0.96 - 1.11)
IL1RL1	1.01 (0.96 - 1.05)	0.79	0.969	1.03 (0.96 - 1.12)	0.418	0.926	1.09 (0.99 - 1.21)	0.091	0.683	1.01 (0.96 - 1.05)	0.79	0.966	1.03 (0.93 - 1.13)	0.616	0.996	1.03 (0.91 - 1.17)	0.652	0.987	1.34 (1.00 - 1.79)	0.047	0.631	1.03 (0.93 - 1.13)
IL2RB	1.00 (0.96 - 1.05)	0.989	0.997	1.00 (0.93 - 1.08)	0.958	0.992	0.98 (0.89 - 1.08)	0.684	0.952	1.00 (0.96 - 1.04)	0.988	0.997	1.01 (0.93 - 1.10)	0.826	0.996	1.02 (0.91 - 1.15)	0.701	0.987	1.02 (0.77 - 1.34)	0.914	0.985	1.01 (0.93 - 1.10)
IL3RA	0.97 (0.92 - 1.01)	0.133	0.634	0.96 (0.89 - 1.04)	0.365	0.903	1.01 (0.91 - 1.11)	0.858	0.974	0.97 (0.92 - 1.01)	0.123	0.602	0.98 (0.91 - 1.07)	0.702	0.996	0.95 (0.84 - 1.07)	0.372	0.987	1.06 (0.82 - 1.37)	0.656	0.911	0.98 (0.91 - 1.06)
IL6R	1.05 (1.00 - 1.10)	0.043	0.439	1.02 (0.94 - 1.10)	0.669	0.968	1.03 (0.93 - 1.13)	0.624	0.944	1.05 (1.00 - 1.10)	0.044	0.428	0.98 (0.90 - 1.06)	0.646	0.996	0.96 (0.86 - 1.08)	0.507	0.987	1.06 (0.82 - 1.37)	0.674	0.92	0.98 (0.92 - 1.04)
INSR	1.00 (0.95 - 1.04)	0.861	0.98	0.98 (0.90 - 1.06)	0.617	0.968	1.02 (0.92 - 1.13)	0.698	0.955	1.00 (0.95 - 1.04)	0.853	0.974	0.95 (0.88 - 1.03)	0.233	0.993	0.94 (0.84 - 1.06)	0.297	0.987	1.14 (0.88 - 1.47)	0.321	0.814	0.95 (0.89 - 1.02)
ISLR2	0.98 (0.94 - 1.03)	0.488	0.895	0.99 (0.92 - 1.07)	0.829	0.979	1.02 (0.92 - 1.13)	0.732	0.962	0.98 (0.94 - 1.03)	0.488	0.883	0.97 (0.90 - 1.06)	0.517	0.996	0.98 (0.87 - 1.10)	0.687	0.987	1.07 (0.83 - 1.38)	0.606	0.902	0.97 (0.92 - 1.03)
KDR	1.00 (0.96 - 1.05)	0.834	0.973	1.00 (0.93 - 1.08)	0.964	0.992	1.01 (0.91 - 1.11)	0.866	0.979	1.00 (0.96 - 1.05)	0.834	0.969	0.99 (0.90 - 1.09)	0.851	0.996	1.00 (0.88 - 1.13)	0.957	0.99	1.23 (0.92 - 1.64)	0.155	0.733	0.99 (0.90 - 1.09)
KIR2DL2	1.00 (0.96 - 1.05)	0.881	0.981	1.02 (0.94 - 1.10)	0.656	0.968	1.04 (0.95 - 1.15)	0.385	0.858	1.00 (0.96 - 1.05)	0.88	0.979	1.03 (0.95 - 1.11)	0.521	0.996	1.01 (0.90 - 1.14)	0.817	0.987	1.02 (0.79 - 1.32)	0.871	0.974	1.03 (0.95 - 1.11)
KLHL13	1.04 (0.99 - 1.08)	0.131	0.633	1.00 (0.93 - 1.08)	0.955	0.992	1.00 (0.90 - 1.10)	0.954	0.991	1.04 (0.99 - 1.08)	0.109	0.584	1.03 (0.94 - 1.12)	0.524	0.996	1.07 (0.94 - 1.21)	0.301	0.987	0.83 (0.64 - 1.09)	0.183	0.743	1.03 (0.94 - 1.12)
L1CAM	1.04 (0.99 - 1.09)	0.111	0.611	1.06 (0.98 - 1.15)	0.117	0.86	1.05 (0.95 - 1.16)	0.35	0.856	1.04 (0.99 - 1.09)	0.113	0.589	1.04 (0.96 - 1.13)	0.375	0.996	1.04 (0.93 - 1.17)	0.466	0.987	1.03 (0.80 - 1.34)	0.794	0.946	1.04 (0.97 - 1.11)
LAG3	0.97 (0.93 - 1.01)	0.159	0.689	0.97 (0.90 - 1.05)	0.488	0.95	0.97 (0.88 - 1.08)	0.616	0.941	0.97 (0.93 - 1.01)	0.152	0.651	0.98 (0.89 - 1.07)	0.594	0.996	0.99 (0.87 - 1.11)	0.812	0.987	1.06 (0.79 - 1.40)	0.712	0.924	0.98 (0.89 - 1.07)
LCT	1.01 (0.95 - 1.08)	0.74	0.955	1.02 (0.94 - 1.10)	0.703	0.97	0.98 (0.85 - 1.13)	0.761	0.965	1.01 (0.95 - 1.08)	0.74	0.951	1.00 (0.90 - 1.11)	0.949	0.996	1.03 (0.91 - 1.16)	0.672	0.987	0.91 (0.64 - 1.28)	0.577	0.898	1.00 (0.90 - 1.11)
LECT1	1.09 (1.04 - 1.14)	4.07E-04	0.093	1.11 (1.02 - 1.20)	0.01	0.565	1.14 (1.03 - 1.26)	0.01	0.45	1.09 (1.04 - 1.13)	3.37E-04	0.079	1.13 (1.04 - 1.23)	0.003	0.878	1.15 (1.02 - 1.31)	0.026	0.987	1.13 (0.88 - 1.46)	0.34	0.824	1.13 (1.05 - 1.22)
MAN1B1	1.03 (0.98 - 1.08)	0.199	0.733	1.05 (0.97 - 1.14)	0.212	0.871	1.04 (0.94 - 1.15)	0.449	0.888	1.03 (0.98 - 1.08)	0.201	0.72	1.11 (1.02 - 1.20)	0.015	0.993	1.09 (0.96 - 1.23)	0.171	0.987	1.08 (0.83 - 1.40)	0.573	0.895	1.11 (1.02 - 1.20)
MANBA	1.02 (0.97 - 1.08)	0.341	0.84	1.01 (0.93 - 1.09)	0.798	0.979	0.97 (0.87 - 1.09)	0.634	0.944	1.02 (0.97 - 1.08)	0.342	0.83	1.05 (0.96 - 1.15)	0.241	0.993	1.09 (0.97 - 1.23)	0.158	0.987	1.01 (0.76 - 1.34)	0.968	0.989	1.05 (0.96 - 1.15)
MICB	1.01 (0.97 - 1.06)	0.642	0.926	1.02 (0.94 - 1.10)	0.656	0.968	0.99 (0.90 - 1.10)	0.858	0.974	1.01 (0.97 - 1.06)	0.642	0.92	1.02 (0.94 - 1.11)	0.656	0.996	1.02 (0.90 - 1.15)	0.755	0.987	1.00 (0.76 - 1.31)	0.982	0.992	1.02 (0.94 - 1.11)
MINOS1	1.00 (0.96 - 1.05)	0.993	0.998	0.98 (0.90 - 1.05)	0.541	0.951	1.06 (0.96 - 1.17)	0.236	0.808	1.00 (0.96 - 1.05)	0.993	0.998	1.02 (0.94 - 1.11)	0.653	0.996	1.01 (0.90 - 1.13)	0.896	0.987	0.90 (0.70 - 1.17)	0.432	0.854	1.02 (0.95 - 1.10)
MLL2	1.04 (0.99 - 1.09)	0.113	0.613	1.02 (0.94 - 1.10)	0.652	0.968	1.06 (0.96 - 1.17)	0.235	0.807	1.04 (0.99 - 1.08)	0.098	0.564	1.08 (0.99 - 1.17)	0.079	0.993	1.03 (0.92 - 1.16)	0.607	0.987	1.07 (0.82 - 1.38)	0.623	0.902	1.08 (1.00 - 1.16)
MRPL33	0.98 (0.94 - 1.03)	0.502	0.9	0.99 (0.92 - 1.07)	0.824	0.979	0.97 (0.88 - 1.08)	0.597	0.933	0.98 (0.94 - 1.03)	0.503	0.889	0.96 (0.89 - 1.04)	0.344	0.996	0.93 (0.83 - 1.04)	0.211	0.987	0.80 (0.62 - 1.03)	0.08	0.651	0.96 (0.89 - 1.04)
NDUFS4	1.00 (0.95 - 1.05)	0.979	0.996	1.00 (0.92 - 1.08)	0.923	0.992	0.98 (0.88 - 1.10)	0.733	0.962	1.00 (0.95 - 1.05)	0.979	0.996	1.02 (0.94 - 1.11)	0.659	0.996	1.00 (0.89 - 1.12)	0.977	0.995	1.01 (0.78 - 1.30)	0.958	0.989	1.02 (0.95 - 1.09)
NPFF	0.99 (0.94 - 1.04)	0.687	0.945	1.03 (0.95 - 1.11)	0.435	0.934	1.11 (1.00 - 1.23)	0.06	0.646	0.99 (0.94 - 1.04)	0.687	0.938	1.06 (0.98 - 1.15)	0.145	0.993	1.05 (0.93 - 1.18)	0.415	0.987	1.11 (0.85 - 1.45)	0.438	0.855	1.06 (0.98 - 1.15)
NR1H2	1.02 (0.97 - 1.06)	0.513	0.9	0.98 (0.91 - 1.06)	0.669	0.968	1.03 (0.93 - 1.14)	0.55	0.917	1.02 (0.97 - 1.06)	0.514	0.889	1.02 (0.93 - 1.11)	0.733	0.996	1.00 (0.88 - 1.13)	0.994	0.999	0.76 (0.58 - 0.99)	0.043	0.625	1.02 (0.93 - 1.11)
NXPH1	1.02 (0.98 - 1.07)	0.362	0.858	1.01 (0.93 - 1.09)	0.79	0.977	1.04 (0.94 - 1.15)	0.442	0.885	1.02 (0.98 - 1.07)	0.347	0.837	1.03 (0.95 - 1.12)	0.44	0.996	1.07 (0.95 - 1.21)	0.251	0.987	0.97 (0.75 - 1.26)	0.825	0.959	1.03 (0.95 - 1.12)
PCDHB4	1.00 (0.96 - 1.05)	0.884	0.982	1.00 (0.92 - 1.08)	0.95	0.992	1.01 (0.92 - 1.12)	0.824	0.967	1.00 (0.96 - 1.05)	0.879	0.979	0.99 (0.91 - 1.09)	0.905	0.996	0.98 (0.87 - 1.11)	0.805	0.987	0.80 (0.61 - 1.04)	0.093	0.673	0.99 (0.91 - 1.09)
PDGFRL	0.99 (0.94 - 1.04)	0.603	0.916	0.99 (0.91 - 1.07)	0.755	0.972	0.98 (0.88 - 1.08)	0.646	0.944	0.99 (0.94 - 1.04)	0.604	0.906	0.96 (0.86 - 1.08)	0.534	0.996	0.92 (0.81 - 1.04)	0.197	0.987	1.13 (0.78 - 1.63)	0.521	0.879	0.96 (0.86 - 1.08)
PDK1	0.95 (0.91 - 0.99)	0.023	0.388	0.98 (0.91 - 1.06)	0.621	0.968	0.98 (0.89 - 1.08)	0.689	0.952	0.95 (0.91 - 0.99)	0.015	0.289	0.98 (0.90 - 1.06)	0.598	0.996	1.02 (0.90 - 1.15)	0.78	0.987	0.85 (0.65 - 1.11)	0.223	0.765	0.98 (0.90 - 1.06)
PIK3C2A	1.01 (0.96 - 1.05)	0.79	0.969	0.99 (0.92 - 1.07)	0.816	0.979	0.99 (0.89 - 1.09)	0.774	0.966	1.01 (0.96 - 1.05)	0.785	0.965	1.03 (0.95 - 1.12)	0.512	0.996	0.96 (0.85 - 1.08)	0.531	0.987	0.83 (0.64 - 1.07)	0.148	0.732	1.03 (0.95 - 1.11)
PLA2R1	1.02 (0.98 - 1.07)	0.315	0.818	1.02 (0.95 - 1.11)	0.569	0.964	0.99 (0.90 - 1.10)	0.879	0.981	1.02 (0.98 - 1.07)	0.301	0.788	0.95 (0.87 - 1.03)	0.188	0.993	0.97 (0.86 - 1.09)	0.589	0.987	1.05 (0.81 - 1.36)	0.694	0.924	0.95 (0.88 - 1.02)
PLXNB2	1.00 (0.95 - 1.04)	0.883	0.982	0.99 (0.91 - 1.07)	0.714	0.97	1.01 (0.92 - 1.12)	0.817	0.967	1.00 (0.95 - 1.04)	0.882	0.979	1.00 (0.92 - 1.09)	0.93	0.996	0.99 (0.88 - 1.11)	0.852	0.987	1.15 (0.89 - 1.49)	0.283	0.785	1.00 (0.93 - 1.08)
PMEL	1.03 (0.98 - 1.08)	0.194	0.724	1.04 (0.96 - 1.12)	0.376	0.907	1.04 (0.94 - 1.15)	0.437	0.885	1.03 (0.98 - 1.08)	0.195	0.716	1.07 (0.98 - 1.17)	0.118	0.993	1.07 (0.95 - 1.21)	0.254	0.987	0.99 (0.75 - 1.30)	0.938	0.986	1.07 (0.98 - 1.17)
PPY	0.95 (0.90 - 0.99)	0.016	0.322	0.95 (0.88 - 1.02)	0.146	0.86	0.96 (0.87 - 1.07)	0.48	0.892	0.95 (0.91 - 0.99)	0.013	0.274	1.00 (0.90 - 1.10)	0.96	0.996	0.93 (0.82 - 1.06)	0.275	0.987	0.82 (0.61 - 1.11)	0.196	0.743	1.00 (0.90 - 1.10)
PRDM1	1.02 (0.97 - 1.06)	0.506	0.9	1.07 (0.99 - 1.16)	0.08	0.834	1.10 (0.99 - 1.21)	0.07	0.646	1.02 (0.97 - 1.06)	0.503	0.889	1.02 (0.91 - 1.14)	0.744	0.996	1.11 (0.98 - 1.26)	0.087	0.987	1.45 (1.05 - 1.99)	0.023	0.594	1.02 (0.91 - 1.14)
PTGR1	1.00 (0.96 - 1.05)	0.834	0.973	1.00 (0.92 - 1.08)	0.967	0.992	0.94 (0.85 - 1.03)	0.194	0.782	1.00 (0.96 - 1.05)	0.834	0.969	0.97 (0.90 - 1.06)	0.521	0.996	0.99 (0.88 - 1.11)	0.814	0.987	0.87 (0.67 - 1.13)	0.293	0.794	0.97 (0.90 - 1.05)
QSOX2	1.00 (0.96 - 1.05)	0.849	0.978	1.00 (0.92 - 1.08)	0.917	0.992	0.99 (0.90 - 1.10)	0.868	0.979	1.00 (0.96 - 1.05)	0.841	0.972	0.99 (0.91 - 1.07)	0.814	0.996	1.01 (0.90 - 1.13)	0.872	0.987	1.00 (0.78 - 1.30)	0.97	0.989	0.99 (0.93 - 1.06)
RARRES1	0.99 (0.95 - 1.04)	0.726	0.952	1.01 (0.93 - 1.09)	0.889	0.989	0.96 (0.87 - 1.06)	0.434	0.885	0.99 (0.95 - 1.03)	0.708	0.943	1.01 (0.92 - 1.09)	0.901	0.996	1.02 (0.91 - 1.15)	0.741	0.987	0.79 (0.61 - 1.01)	0.065	0.643	1.01 (0.92 - 1.09)
RELB	1.00 (0.96 - 1.05)	0.881	0.981	1.01 (0.94 - 1.10)	0.723	0.971	1.06 (0.96 - 1.18)	0.23	0.803	1.00 (0.96 - 1.05)	0.881	0.979	1.02 (0.94 - 1.11)	0.558	0.996	1.00 (0.89 - 1.13)	0.966	0.994	0.91 (0.70 - 1.18)	0.476	0.867	1.02 (0.95 - 1.10)
REPIN1	1.01 (0.96 - 1.06)	0.756	0.958	1.01 (0.94 - 1.09)	0.699	0.97	1.10 (0.99 - 1.23)	0.072	0.646	1.01 (0.96 - 1.06)	0.757	0.956	1.06 (0.98 - 1.15)	0.142	0.993	1.04 (0.93 - 1.17)	0.467	0.987	1.14 (0.88 - 1.48)	0.309	0.805	1.06 (0.99 - 1.14)
SCARA3	1.00 (0.96 - 1.05)	0.991	0.998	0.97 (0.90 - 1.05)	0.465	0.94	0.96 (0.87 - 1.07)	0.478	0.892	1.00 (0.96 - 1.05)	0.99	0.997	1.00 (0.93 - 1.09)	0.926	0.996	0.94 (0.83 - 1.06)	0.279	0.987	0.79 (0.61 - 1.02)	0.074	0.646	1.00 (0.94 - 1.08)
SELE	0.99 (0.94 - 1.03)	0.566	0.909	1.00 (0.92 - 1.08)	0.925	0.992	1.04 (0.94 - 1.16)	0.456	0.889	0.99 (0.94 - 1.03)	0.567	0.901	1.01 (0.93 - 1.10)	0.749	0.996	1.01 (0.90 - 1.13)	0.886	0.987	1.31 (1.02 - 1.70)	0.037	0.624	1.01 (0.94 - 1.09)
SEMA6A	0.97 (0.93 - 1.02)	0.221	0.756	0.98 (0.90 - 1.06)	0.601	0.968	0.95 (0.86 - 1.05)	0.296	0.833	0.97 (0.93 - 1.02)	0.211	0.723	0.95 (0.87 - 1.03)	0.202	0.993	0.95 (0.84 - 1.07)	0.397	0.987	1.15 (0.89 - 1.49)	0.275	0.779	0.95 (0.87 - 1.03)
SERPINE2	0.99 (0.94 - 1.03)	0.517	0.904	0.97 (0.89 - 1.05)	0.408	0.921	0.97 (0.88 - 1.07)	0.592	0.932	0.99 (0.94 - 1.03)	0.488	0.883	1.00 (0.92 - 1.09)	0.929	0.996	0.96 (0.86 - 1.09)	0.553	0.987	0.79 (0.61 - 1.03)	0.079	0.646	1.00 (0.92 - 1.09)
SERPING1	1.03 (0.99 - 1.08)	0.169	0.694	1.01 (0.93 - 1.09)	0.813	0.979	1.06 (0.96 - 1.17)	0.265	0.822	1.03 (0.99 - 1.08)	0.17	0.675	1.01 (0.93 - 1.10)	0.81	0.996	0.98 (0.87 - 1.09)	0.681	0.987	0.97 (0.75 - 1.25)	0.821	0.958	1.01 (0.94 - 1.09)
SIGIRR	1.02 (0.97 - 1.07)	0.429	0.879	1.03 (0.95 - 1.12)	0.435	0.934	1.05 (0.95 - 1.16)	0.316	0.841	1.02 (0.98 - 1.06)	0.409	0.864	0.99 (0.91 - 1.08)	0.8	0.996	1.00 (0.88 - 1.12)	0.939	0.987	0.96 (0.73 - 1.26)	0.773	0.937	0.99 (0.91 - 1.08)
SIRPB1	1.02 (0.97 - 1.07)	0.428	0.879	0.96 (0.89 - 1.04)	0.287	0.885	1.01 (0.91 - 1.12)	0.852	0.974	1.02 (0.97 - 1.07)	0.429	0.868	1.01 (0.93 - 1.09)	0.899	0.996	0.92 (0.82 - 1.04)	0.173	0.987	0.82 (0.63 - 1.06)	0.124	0.705	1.01 (0.93 - 1.08)
SLAMF7	1.01 (0.97 - 1.06)	0.59	0.913	1.02 (0.94 - 1.10)	0.689	0.97	1.00 (0.91 - 1.11)	0.94	0.988	1.01 (0.97 - 1.06)	0.576	0.903	0.99 (0.90 - 1.09)	0.897	0.996	0.92 (0.81 - 1.04)	0.176	0.987	0.79 (0.59 - 1.05)	0.098	0.679	0.99 (0.90 - 1.09)
STOM	0.99 (0.95 - 1.04)	0.782	0.968	1.00 (0.92 - 1.08)	0.933	0.992	0.99 (0.90 - 1.09)	0.847	0.974	0.99 (0.95 - 1.04)	0.771	0.96	1.00 (0.92 - 1.08)	0.968	0.996	1.00 (0.88 - 1.12)	0.948	0.988	1.11 (0.85 - 1.43)	0.446	0.859	1.00 (0.93 - 1.08)
TGFBI	0.98 (0.93 - 1.02)	0.281	0.786	0.96 (0.88 - 1.04)	0.273	0.885	0.93 (0.84 - 1.03)	0.167	0.754	0.98 (0.93 - 1.02)	0.282	0.778	0.94 (0.86 - 1.02)	0.124	0.993	0.93 (0.82 - 1.05)	0.239	0.987	1.19 (0.92 - 1.54)	0.177	0.743	0.94 (0.86 - 1.02)
TMPRSS11D	1.00 (0.95 - 1.04)	0.863	0.98	0.98 (0.91 - 1.06)	0.614	0.968	1.00 (0.91 - 1.11)	0.951	0.99	1.00 (0.95 - 1.04)	0.854	0.974	0.98 (0.91 - 1.07)	0.689	0.996	0.97 (0.86 - 1.08)	0.548	0.987	1.07 (0.83 - 1.39)	0.588	0.902	0.98 (0.92 - 1.05)
TNS2	0.99 (0.94 - 1.03)	0.589	0.913	0.96 (0.89 - 1.05)	0.366	0.903	0.95 (0.85 - 1.05)	0.296	0.833	0.99 (0.94 - 1.03)	0.59	0.903	1.01 (0.93 - 1.09)	0.833	0.996	0.97 (0.86 - 1.10)	0.645	0.987	1.05 (0.81 - 1.37)	0.712	0.924	1.01 (0.93 - 1.09)
TREML2	1.00 (0.95 - 1.04)	0.873	0.98	0.98 (0.91 - 1.06)	0.619	0.968	0.99 (0.89 - 1.09)	0.806	0.966	1.00 (0.96 - 1.04)	0.856	0.976	0.96 (0.89 - 1.04)	0.363	0.996	0.97 (0.86 - 1.10)	0.668	0.987	0.89 (0.69 - 1.15)	0.366	0.833	0.96 (0.90 - 1.03)
TUFT1	1.03 (0.98 - 1.07)	0.263	0.776	1.05 (0.97 - 1.13)	0.214	0.871	1.12 (1.01 - 1.24)	0.027	0.551	1.03 (0.98 - 1.07)	0.264	0.765	1.09 (1.00 - 1.18)	0.041	0.993	1.11 (0.98 - 1.24)	0.09	0.987	1.15 (0.89 - 1.48)	0.29	0.793	1.09 (1.02 - 1.17)
TXNDC12	1.00 (0.95 - 1.04)	0.945	0.994	0.99 (0.91 - 1.07)	0.789	0.977	1.01 (0.92 - 1.12)	0.817	0.967	1.00 (0.95 - 1.04)	0.945	0.993	1.00 (0.92 - 1.09)	0.944	0.996	1.01 (0.90 - 1.14)	0.824	0.987	1.09 (0.84 - 1.41)	0.503	0.873	1.00 (0.93 - 1.08)
VTN	1.01 (0.97 - 1.06)	0.607	0.917	1.02 (0.94 - 1.11)	0.575	0.964	1.08 (0.98 - 1.20)	0.128	0.732	1.01 (0.97 - 1.06)	0.607	0.908	1.10 (1.01 - 1.20)	0.034	0.993	1.10 (0.97 - 1.24)	0.125	0.987	0.92 (0.70 - 1.19)	0.516	0.878	1.10 (1.01 - 1.20)

		Luminal B/HER2 negative-like														HER2 enriched-like								
MR PRESSO P	MR PRESSO FDR-Adjusted P	IVW OR (95% CI)	IVW P	IVW FDR-Adjusted P	Median OR (95% CI)	Median P	Median FDR-Adjusted P	Egger OR (95% CI)	Egger P	Egger FDR-Adjusted P	MR PRESSO OR (95% CI)	MR PRESSO P	MR PRESSO FDR-Adjusted P	IVW OR (95% CI)	IVW P	IVW FDR-Adjusted P	Median OR (95% CI)	Median P	Median FDR-Adjusted P	Egger OR (95% CI)	Egger P	Egger FDR-Adjusted P
0.186	0.933	1.07 (0.96 - 1.20)	0.193	0.997	1.06 (0.92 - 1.22)	0.418	0.97	1.05 (0.79 - 1.40)	0.744	0.986	1.07 (0.96 - 1.20)	0.207	0.977	1.10 (0.97 - 1.24)	0.13	1.00	1.08 (0.92 - 1.27)	0.327	1.00	1.75 (0.96 - 3.22)	0.07	0.678
0.497	0.969	1.00 (0.91 - 1.11)	0.959	0.997	0.92 (0.80 - 1.06)	0.24	0.959	0.93 (0.71 - 1.22)	0.605	0.983	1.00 (0.91 - 1.11)	0.959	0.996	1.01 (0.82 - 1.23)	0.953	1.00	0.95 (0.80 - 1.13)	0.533	1.00	2.05 (0.91 - 4.64)	0.083	0.69
0.689	0.992	1.03 (0.93 - 1.13)	0.599	0.997	1.01 (0.88 - 1.16)	0.892	0.999	0.82 (0.64 - 1.04)	0.096	0.944	1.03 (0.93 - 1.13)	0.604	0.977	1.02 (0.91 - 1.16)	0.692	1.00	1.01 (0.86 - 1.18)	0.941	1.00	0.78 (0.43 - 1.44)	0.43	0.931
0.61	0.99	1.05 (0.96 - 1.15)	0.281	0.997	1.06 (0.93 - 1.22)	0.389	0.965	1.11 (0.88 - 1.41)	0.377	0.963	1.05 (0.96 - 1.14)	0.268	0.977	1.10 (0.94 - 1.30)	0.232	1.00	1.00 (0.85 - 1.19)	0.957	1.00	1.66 (0.74 - 3.72)	0.215	0.835
0.714	0.992	1.04 (0.94 - 1.14)	0.461	0.997	1.01 (0.89 - 1.16)	0.859	0.999	1.06 (0.82 - 1.38)	0.666	0.986	1.04 (0.94 - 1.14)	0.468	0.977	1.05 (0.93 - 1.19)	0.405	1.00	1.04 (0.89 - 1.21)	0.629	1.00	1.07 (0.58 - 1.96)	0.836	0.978
0.937	0.993	1.01 (0.92 - 1.11)	0.826	0.997	1.01 (0.89 - 1.16)	0.836	0.998	1.29 (1.01 - 1.63)	0.038	0.881	1.01 (0.92 - 1.11)	0.828	0.988	1.03 (0.91 - 1.16)	0.66	1.00	1.00 (0.85 - 1.17)	0.984	1.00	1.49 (0.81 - 2.74)	0.195	0.816
0.855	0.992	0.98 (0.90 - 1.08)	0.711	0.997	0.98 (0.86 - 1.11)	0.718	0.994	1.02 (0.80 - 1.29)	0.896	0.993	0.98 (0.91 - 1.07)	0.686	0.987	1.00 (0.89 - 1.13)	0.963	1.00	1.00 (0.87 - 1.16)	0.95	1.00	1.03 (0.56 - 1.88)	0.932	0.988
0.792	0.992	0.97 (0.89 - 1.06)	0.514	0.997	1.02 (0.89 - 1.16)	0.821	0.997	0.97 (0.76 - 1.24)	0.836	0.986	0.97 (0.89 - 1.06)	0.521	0.977	1.06 (0.94 - 1.19)	0.367	1.00	1.07 (0.93 - 1.25)	0.347	1.00	1.06 (0.58 - 1.95)	0.84	0.978
0.932	0.992	0.96 (0.87 - 1.05)	0.343	0.997	0.96 (0.84 - 1.11)	0.597	0.975	1.17 (0.92 - 1.48)	0.199	0.945	0.96 (0.87 - 1.05)	0.353	0.977	1.12 (1.00 - 1.27)	0.059	1.00	1.17 (1.00 - 1.36)	0.05	1.00	1.03 (0.56 - 1.89)	0.918	0.986
0.582	0.987	1.02 (0.93 - 1.12)	0.628	0.997	1.04 (0.91 - 1.18)	0.603	0.976	1.06 (0.84 - 1.34)	0.629	0.986	1.02 (0.94 - 1.11)	0.612	0.977	1.08 (0.96 - 1.22)	0.202	1.00	1.08 (0.92 - 1.26)	0.344	1.00	1.62 (0.88 - 2.97)	0.119	0.726
0.461	0.969	0.97 (0.89 - 1.06)	0.529	0.997	0.97 (0.85 - 1.11)	0.659	0.99	0.93 (0.73 - 1.19)	0.572	0.979	0.97 (0.89 - 1.06)	0.532	0.977	0.97 (0.85 - 1.10)	0.621	1.00	0.93 (0.79 - 1.09)	0.359	1.00	1.10 (0.54 - 2.23)	0.802	0.978
0.433	0.966	0.94 (0.84 - 1.05)	0.274	0.997	0.98 (0.85 - 1.13)	0.817	0.997	0.98 (0.73 - 1.32)	0.895	0.993	0.94 (0.84 - 1.05)	0.285	0.977	0.86 (0.76 - 0.97)	0.012	1.00	0.88 (0.75 - 1.03)	0.12	1.00	1.05 (0.54 - 2.04)	0.89	0.984
0.527	0.973	0.96 (0.86 - 1.07)	0.476	0.997	0.91 (0.78 - 1.05)	0.181	0.959	0.83 (0.63 - 1.10)	0.197	0.945	0.96 (0.86 - 1.07)	0.484	0.977	0.88 (0.78 - 0.99)	0.033	1.00	0.87 (0.75 - 1.02)	0.086	1.00	0.83 (0.45 - 1.52)	0.547	0.952
0.644	0.992	0.98 (0.89 - 1.07)	0.604	0.997	1.00 (0.88 - 1.14)	0.992	0.999	0.95 (0.75 - 1.20)	0.658	0.986	0.98 (0.90 - 1.06)	0.589	0.977	0.92 (0.81 - 1.05)	0.209	1.00	0.94 (0.80 - 1.11)	0.458	1.00	0.77 (0.37 - 1.60)	0.482	0.944
0.319	0.95	0.94 (0.85 - 1.05)	0.282	0.997	0.86 (0.75 - 0.98)	0.028	0.959	0.78 (0.59 - 1.02)	0.073	0.944	0.94 (0.85 - 1.05)	0.294	0.977	0.99 (0.81 - 1.22)	0.96	1.00	1.02 (0.85 - 1.24)	0.798	1.00	0.81 (0.25 - 2.57)	0.719	0.969
0.825	0.992	0.99 (0.91 - 1.09)	0.874	0.997	0.98 (0.86 - 1.13)	0.812	0.997	0.99 (0.78 - 1.25)	0.931	0.998	0.99 (0.91 - 1.08)	0.863	0.99	0.99 (0.87 - 1.11)	0.837	1.00	0.98 (0.84 - 1.14)	0.767	1.00	1.16 (0.63 - 2.12)	0.64	0.967
0.425	0.966	1.07 (0.97 - 1.17)	0.168	0.997	1.11 (0.97 - 1.26)	0.117	0.959	0.95 (0.75 - 1.20)	0.663	0.986	1.07 (0.98 - 1.15)	0.135	0.977	0.96 (0.83 - 1.11)	0.59	1.00	1.02 (0.87 - 1.19)	0.842	1.00	0.52 (0.28 - 0.95)	0.032	0.655
0.026	0.915	0.93 (0.85 - 1.02)	0.122	0.997	0.92 (0.80 - 1.04)	0.191	0.959	0.86 (0.68 - 1.09)	0.224	0.945	0.93 (0.86 - 1.00)	0.08	0.977	0.97 (0.86 - 1.09)	0.568	1.00	0.95 (0.82 - 1.09)	0.448	1.00	0.88 (0.48 - 1.62)	0.69	0.967
0.212	0.933	0.99 (0.90 - 1.10)	0.914	0.997	0.99 (0.87 - 1.13)	0.907	0.999	1.09 (0.84 - 1.43)	0.509	0.979	0.99 (0.90 - 1.10)	0.915	0.993	0.91 (0.78 - 1.07)	0.256	1.00	0.91 (0.77 - 1.07)	0.267	1.00	1.25 (0.55 - 2.84)	0.591	0.956
0.221	0.933	0.96 (0.88 - 1.05)	0.4	0.997	0.98 (0.86 - 1.12)	0.81	0.997	1.07 (0.84 - 1.36)	0.577	0.979	0.96 (0.88 - 1.05)	0.377	0.977	0.96 (0.85 - 1.08)	0.489	1.00	0.97 (0.84 - 1.13)	0.716	1.00	1.31 (0.72 - 2.41)	0.38	0.911
0.176	0.933	0.92 (0.84 - 1.01)	0.07	0.997	0.93 (0.81 - 1.06)	0.273	0.959	0.82 (0.65 - 1.04)	0.098	0.944	0.92 (0.85 - 0.99)	0.049	0.977	1.06 (0.94 - 1.20)	0.356	1.00	1.13 (0.96 - 1.34)	0.133	1.00	0.70 (0.38 - 1.28)	0.24	0.853
0.867	0.992	0.99 (0.90 - 1.08)	0.772	0.997	1.02 (0.89 - 1.16)	0.808	0.997	1.01 (0.79 - 1.29)	0.943	0.998	0.99 (0.90 - 1.08)	0.775	0.988	0.94 (0.83 - 1.06)	0.313	1.00	0.97 (0.83 - 1.14)	0.725	1.00	0.59 (0.32 - 1.08)	0.086	0.69
0.233	0.933	0.97 (0.88 - 1.06)	0.464	0.997	0.98 (0.85 - 1.12)	0.771	0.994	1.07 (0.84 - 1.36)	0.6	0.983	0.97 (0.88 - 1.06)	0.472	0.977	0.99 (0.87 - 1.12)	0.815	1.00	1.03 (0.88 - 1.21)	0.704	1.00	1.38 (0.75 - 2.54)	0.295	0.871
0.08	0.919	0.92 (0.84 - 1.02)	0.103	0.997	0.95 (0.83 - 1.08)	0.413	0.97	0.95 (0.73 - 1.23)	0.704	0.986	0.92 (0.84 - 1.02)	0.118	0.977	0.97 (0.86 - 1.10)	0.659	1.00	0.94 (0.80 - 1.09)	0.396	1.00	0.98 (0.53 - 1.82)	0.946	0.991
0.795	0.992	1.00 (0.92 - 1.10)	0.943	0.997	1.03 (0.91 - 1.17)	0.663	0.993	0.91 (0.72 - 1.16)	0.446	0.979	1.00 (0.94 - 1.07)	0.918	0.993	1.14 (1.01 - 1.29)	0.03	1.00	1.11 (0.95 - 1.30)	0.172	1.00	0.93 (0.51 - 1.71)	0.824	0.978
0.32	0.95	0.98 (0.90 - 1.08)	0.716	0.997	1.03 (0.91 - 1.17)	0.651	0.989	1.00 (0.79 - 1.27)	0.991	0.998	0.98 (0.92 - 1.05)	0.631	0.984	0.98 (0.84 - 1.14)	0.799	1.00	0.90 (0.76 - 1.07)	0.243	1.00	0.55 (0.30 - 1.00)	0.051	0.677
0.021	0.893	0.92 (0.84 - 1.01)	0.088	0.997	0.88 (0.77 - 1.01)	0.069	0.959	0.88 (0.70 - 1.12)	0.3	0.948	0.92 (0.85 - 1.00)	0.074	0.977	0.96 (0.82 - 1.12)	0.6	1.00	0.97 (0.82 - 1.13)	0.673	1.00	0.78 (0.33 - 1.82)	0.565	0.952
0.658	0.992	0.97 (0.89 - 1.07)	0.557	0.997	1.03 (0.90 - 1.19)	0.635	0.986	0.86 (0.68 - 1.10)	0.228	0.945	0.97 (0.89 - 1.06)	0.562	0.977	1.10 (0.98 - 1.25)	0.112	1.00	1.09 (0.93 - 1.27)	0.305	1.00	0.90 (0.49 - 1.65)	0.737	0.971
0.142	0.933	0.99 (0.89 - 1.11)	0.914	0.997	1.00 (0.87 - 1.15)	0.977	0.999	1.14 (0.84 - 1.54)	0.406	0.972	0.99 (0.89 - 1.11)	0.915	0.993	1.03 (0.88 - 1.20)	0.698	1.00	1.05 (0.89 - 1.24)	0.554	1.00	1.40 (0.62 - 3.17)	0.417	0.926
0.16	0.933	0.97 (0.88 - 1.06)	0.48	0.997	1.05 (0.92 - 1.20)	0.483	0.97	1.13 (0.88 - 1.43)	0.338	0.955	0.97 (0.88 - 1.06)	0.487	0.977	0.94 (0.83 - 1.06)	0.296	1.00	0.94 (0.81 - 1.09)	0.409	1.00	0.84 (0.46 - 1.54)	0.569	0.952
0.871	0.992	1.06 (0.96 - 1.16)	0.268	0.997	0.99 (0.86 - 1.13)	0.893	0.999	1.17 (0.90 - 1.51)	0.236	0.945	1.06 (0.96 - 1.16)	0.28	0.977	0.97 (0.86 - 1.09)	0.589	1.00	0.97 (0.83 - 1.13)	0.684	1.00	1.55 (0.85 - 2.85)	0.156	0.793
0.724	0.992	1.00 (0.92 - 1.10)	0.922	0.997	0.95 (0.83 - 1.09)	0.454	0.97	0.93 (0.73 - 1.18)	0.532	0.979	1.00 (0.92 - 1.09)	0.919	0.993	0.99 (0.88 - 1.12)	0.898	1.00	0.98 (0.83 - 1.14)	0.758	1.00	1.49 (0.81 - 2.72)	0.201	0.822
0.278	0.943	0.91 (0.83 - 0.99)	0.031	0.997	0.83 (0.73 - 0.94)	0.004	0.959	0.82 (0.64 - 1.03)	0.093	0.944	0.91 (0.83 - 0.99)	0.036	0.977	1.00 (0.87 - 1.15)	0.997	1.00	0.95 (0.81 - 1.13)	0.58	1.00	1.50 (0.78 - 2.89)	0.226	0.841
0.635	0.99	1.03 (0.94 - 1.13)	0.489	0.997	1.06 (0.92 - 1.21)	0.432	0.97	1.00 (0.78 - 1.28)	0.972	0.998	1.03 (0.94 - 1.13)	0.497	0.977	1.03 (0.89 - 1.19)	0.703	1.00	1.04 (0.88 - 1.23)	0.646	1.00	0.58 (0.32 - 1.06)	0.078	0.69
0.96	0.994	1.02 (0.93 - 1.12)	0.673	0.997	1.03 (0.90 - 1.17)	0.707	0.994	0.90 (0.71 - 1.15)	0.407	0.972	1.02 (0.94 - 1.10)	0.639	0.986	1.07 (0.93 - 1.24)	0.349	1.00	1.04 (0.88 - 1.24)	0.618	1.00	1.37 (0.63 - 2.98)	0.431	0.931
0.895	0.992	0.98 (0.90 - 1.08)	0.726	0.997	0.98 (0.86 - 1.13)	0.792	0.997	0.90 (0.70 - 1.15)	0.388	0.968	0.98 (0.90 - 1.08)	0.729	0.988	0.97 (0.86 - 1.09)	0.616	1.00	0.95 (0.81 - 1.10)	0.477	1.00	1.08 (0.59 - 1.98)	0.799	0.978
0.929	0.992	1.01 (0.92 - 1.10)	0.885	0.997	1.02 (0.89 - 1.17)	0.74	0.994	1.06 (0.84 - 1.34)	0.63	0.986	1.01 (0.92 - 1.10)	0.882	0.992	1.00 (0.88 - 1.12)	0.941	1.00	0.98 (0.84 - 1.15)	0.837	1.00	1.26 (0.68 - 2.30)	0.462	0.94
0.693	0.992	0.93 (0.85 - 1.02)	0.132	0.997	1.02 (0.89 - 1.16)	0.803	0.997	1.06 (0.84 - 1.34)	0.635	0.986	0.93 (0.86 - 1.01)	0.109	0.977	0.94 (0.83 - 1.06)	0.303	1.00	0.96 (0.83 - 1.12)	0.615	1.00	1.17 (0.64 - 2.14)	0.615	0.96
0.865	0.992	0.98 (0.90 - 1.08)	0.73	0.997	1.02 (0.89 - 1.16)	0.8	0.997	1.08 (0.85 - 1.36)	0.545	0.979	0.98 (0.92 - 1.05)	0.65	0.986	1.01 (0.88 - 1.16)	0.869	1.00	0.98 (0.83 - 1.16)	0.856	1.00	1.37 (0.69 - 2.74)	0.367	0.908
0.151	0.933	1.03 (0.94 - 1.13)	0.522	0.997	1.10 (0.96 - 1.25)	0.161	0.959	1.06 (0.83 - 1.34)	0.655	0.986	1.03 (0.94 - 1.12)	0.51	0.977	0.98 (0.87 - 1.11)	0.763	1.00	0.96 (0.82 - 1.12)	0.585	1.00	1.40 (0.76 - 2.57)	0.278	0.86
0.383	0.961	1.02 (0.93 - 1.12)	0.619	0.997	1.08 (0.94 - 1.23)	0.297	0.959	0.94 (0.74 - 1.19)	0.599	0.983	1.02 (0.94 - 1.12)	0.624	0.98	0.98 (0.86 - 1.13)	0.813	1.00	1.00 (0.85 - 1.18)	0.978	1.00	0.90 (0.41 - 1.97)	0.798	0.978
0.905	0.992	0.95 (0.84 - 1.07)	0.376	0.997	0.94 (0.82 - 1.08)	0.397	0.965	1.04 (0.76 - 1.42)	0.816	0.986	0.95 (0.84 - 1.07)	0.386	0.977	1.04 (0.92 - 1.17)	0.564	1.00	1.07 (0.92 - 1.25)	0.357	1.00	0.78 (0.43 - 1.44)	0.432	0.931
0.568	0.985	0.97 (0.88 - 1.06)	0.464	0.997	1.00 (0.88 - 1.14)	0.957	0.999	1.15 (0.91 - 1.45)	0.254	0.945	0.97 (0.89 - 1.05)	0.439	0.977	0.90 (0.80 - 1.02)	0.088	1.00	0.90 (0.77 - 1.04)	0.15	1.00	1.01 (0.55 - 1.84)	0.985	0.998
0.555	0.98	1.01 (0.92 - 1.10)	0.871	0.997	1.02 (0.89 - 1.17)	0.724	0.994	1.06 (0.84 - 1.34)	0.639	0.986	1.01 (0.93 - 1.09)	0.848	0.988	0.96 (0.85 - 1.08)	0.457	1.00	0.94 (0.81 - 1.09)	0.388	1.00	0.86 (0.47 - 1.58)	0.633	0.965
0.398	0.966	1.00 (0.91 - 1.09)	0.924	0.997	1.00 (0.87 - 1.14)	0.967	0.999	1.08 (0.85 - 1.37)	0.532	0.979	1.00 (0.92 - 1.07)	0.908	0.993	1.00 (0.88 - 1.12)	0.944	1.00	1.01 (0.86 - 1.18)	0.898	1.00	1.11 (0.60 - 2.03)	0.745	0.972
0.621	0.99	1.03 (0.93 - 1.15)	0.547	0.997	1.16 (1.01 - 1.32)	0.039	0.959	1.33 (1.02 - 1.74)	0.036	0.877	1.03 (0.93 - 1.15)	0.553	0.977	1.03 (0.92 - 1.17)	0.596	1.00	0.97 (0.82 - 1.14)	0.714	1.00	1.28 (0.69 - 2.39)	0.438	0.933
0.828	0.992	1.00 (0.91 - 1.09)	0.964	0.997	1.10 (0.96 - 1.25)	0.173	0.959	1.08 (0.85 - 1.37)	0.511	0.979	1.00 (0.91 - 1.09)	0.963	0.996	0.93 (0.82 - 1.05)	0.246	1.00	0.95 (0.83 - 1.10)	0.521	1.00	1.06 (0.58 - 1.95)	0.847	0.979
0.689	0.992	0.94 (0.86 - 1.04)	0.23	0.997	0.98 (0.86 - 1.13)	0.797	0.997	0.94 (0.73 - 1.22)	0.654	0.986	0.94 (0.86 - 1.04)	0.243	0.977	0.90 (0.78 - 1.03)	0.117	1.00	0.88 (0.75 - 1.05)	0.149	1.00	0.91 (0.42 - 2.00)	0.817	0.978
0.545	0.976	1.01 (0.92 - 1.10)	0.895	0.997	0.93 (0.82 - 1.06)	0.265	0.959	0.96 (0.76 - 1.21)	0.724	0.986	1.01 (0.93 - 1.09)	0.885	0.992	1.01 (0.90 - 1.14)	0.824	1.00	1.04 (0.90 - 1.21)	0.58	1.00	1.04 (0.57 - 1.91)	0.897	0.985
0.18	0.933	0.97 (0.89 - 1.06)	0.524	0.997	0.99 (0.87 - 1.14)	0.916	0.999	1.02 (0.80 - 1.29)	0.896	0.993	0.97 (0.89 - 1.06)	0.521	0.977	0.91 (0.81 - 1.03)	0.124	1.00	0.92 (0.79 - 1.06)	0.247	1.00	1.08 (0.59 - 1.98)	0.801	0.978
0.342	0.95	0.94 (0.85 - 1.03)	0.171	0.997	0.95 (0.83 - 1.08)	0.434	0.97	1.00 (0.78 - 1.29)	0.977	0.998	0.94 (0.85 - 1.03)	0.184	0.977	0.91 (0.81 - 1.03)	0.128	1.00	0.93 (0.80 - 1.08)	0.352	1.00	1.03 (0.56 - 1.89)	0.926	0.988
0.853	0.992	0.96 (0.87 - 1.05)	0.327	0.997	0.97 (0.86 - 1.11)	0.7	0.994	1.01 (0.80 - 1.28)	0.914	0.994	0.96 (0.88 - 1.04)	0.312	0.977	0.96 (0.77 - 1.19)	0.688	1.00	1.01 (0.85 - 1.21)	0.896	1.00	1.51 (0.49 - 4.67)	0.476	0.943
0.492	0.969	1.02 (0.93 - 1.12)	0.613	0.997	1.02 (0.89 - 1.16)	0.818	0.997	1.05 (0.82 - 1.34)	0.704	0.986	1.02 (0.93 - 1.12)	0.618	0.978	1.00 (0.89 - 1.13)	0.971	1.00	1.02 (0.88 - 1.18)	0.812	1.00	1.26 (0.69 - 2.31)	0.454	0.936
0.531	0.975	1.00 (0.91 - 1.09)	0.987	0.997	0.94 (0.82 - 1.07)	0.321	0.959	0.97 (0.76 - 1.23)	0.789	0.986	1.00 (0.92 - 1.09)	0.986	0.997	1.04 (0.92 - 1.17)	0.57	1.00	1.00 (0.85 - 1.17)	1	1.00	1.69 (0.92 - 3.10)	0.091	0.69
0.275	0.942	0.96 (0.88 - 1.05)	0.405	0.997	0.95 (0.84 - 1.08)	0.458	0.97	1.09 (0.86 - 1.38)	0.475	0.979	0.96 (0.89 - 1.04)	0.343	0.977	0.96 (0.85 - 1.08)	0.519	1.00	1.02 (0.88 - 1.20)	0.767	1.00	0.91 (0.46 - 1.80)	0.78	0.978
0.599	0.99	0.97 (0.88 - 1.08)	0.618	0.997	1.00 (0.87 - 1.15)	0.997	0.999	1.02 (0.78 - 1.35)	0.864	0.99	0.97 (0.88 - 1.08)	0.623	0.98	0.90 (0.80 - 1.02)	0.102	1.00	0.96 (0.82 - 1.12)	0.565	1.00	1.01 (0.55 - 1.85)	0.976	0.998
0.949	0.994	1.02 (0.92 - 1.14)	0.696	0.997	1.05 (0.91 - 1.21)	0.485	0.97	0.99 (0.74 - 1.31)	0.935	0.998	1.02 (0.92 - 1.14)	0.7	0.987	0.91 (0.77 - 1.08)	0.277	1.00	0.91 (0.76 - 1.08)	0.291	1.00	0.49 (0.25 - 0.95)	0.034	0.655
0.005	0.885	1.10 (1.00 - 1.20)	0.043	0.997	1.13 (0.99 - 1.30)	0.077	0.959	1.16 (0.92 - 1.48)	0.207	0.945	1.10 (1.01 - 1.19)	0.033	0.977	1.01 (0.86 - 1.20)	0.886	1.00	0.94 (0.79 - 1.12)	0.484	1.00	1.63 (0.74 - 3.59)	0.226	0.841
0.024	0.903	1.04 (0.95 - 1.14)	0.342	0.997	1.07 (0.93 - 1.22)	0.352	0.959	1.15 (0.91 - 1.45)	0.256	0.945	1.04 (0.96 - 1.14)	0.326	0.977	1.04 (0.89 - 1.22)	0.586	1.00	1.13 (0.95 - 1.35)	0.171	1.00	1.54 (0.71 - 3.33)	0.274	0.86
0.254	0.94	1.02 (0.93 - 1.12)	0.694	0.997	1.06 (0.92 - 1.21)	0.43	0.97	1.22 (0.96 - 1.55)	0.104	0.944	1.02 (0.93 - 1.12)	0.697	0.987	1.06 (0.93 - 1.22)	0.387	1.00	1.11 (0.93 - 1.31)	0.244	1.00	1.57 (0.81 - 3.05)	0.183	0.814
0.661	0.992	1.00 (0.91 - 1.09)	0.993	0.999	1.02 (0.90 - 1.16)	0.763	0.994	1.06 (0.84 - 1.35)	0.613	0.984	1.00 (0.93 - 1.08)	0.991	0.998	1.00 (0.88 - 1.13)	0.966	1.00	0.98 (0.84 - 1.15)	0.814	1.00	1.06 (0.52 - 2.17)	0.873	0.983
0.617	0.99	0.94 (0.83 - 1.05)	0.261	0.997	0.92 (0.80 - 1.06)	0.228	0.959	1.11 (0.82 - 1.50)	0.494	0.979	0.94 (0.83 - 1.05)	0.273	0.977	1.07 (0.95 - 1.21)	0.267	1.00	1.10 (0.95 - 1.28)	0.216	1.00	1.10 (0.60 - 2.02)	0.759	0.978
0.073	0.919	1.08 (0.99 - 1.18)	0.091	0.997	1.03 (0.90 - 1.17)	0.706	0.994	1.07 (0.85 - 1.36)	0.57	0.979	1.08 (0.99 - 1.18)	0.093	0.977	1.09 (0.97 - 1.24)	0.143	1.00	1.15 (0.98 - 1.35)	0.084	1.00	1.52 (0.83 - 2.78)	0.178	0.809
0.348	0.95	0.92 (0.84 - 1.01)	0.068	0.997	0.91 (0.80 - 1.04)	0.169	0.959	0.92 (0.73 - 1.17)	0.495	0.979	0.92 (0.86 - 0.99)	0.032	0.977	1.00 (0.89 - 1.13)	0.983	1.00	0.99 (0.86 - 1.15)	0.909	1.00	0.94 (0.51 - 1.73)	0.845	0.978
0.588	0.989	1.01 (0.91 - 1.13)	0.82	0.997	1.00 (0.88 - 1.15)	0.966	0.999	1.00 (0.74 - 1.36)	0.996	0.999	1.01 (0.91 - 1.13)	0.822	0.988	1.02 (0.90 - 1.15)	0.778	1.00	1.04 (0.89 - 1.22)	0.58	1.00	1.47 (0.80 - 2.69)	0.215	0.835
0.16	0.933	1.07 (0.98 - 1.17)	0.124	0.997	1.07 (0.94 - 1.22)	0.279	0.959	1.16 (0.91 - 1.46)	0.23	0.945	1.07 (1.00 - 1.15)	0.058	0.977	0.96 (0.85 - 1.08)	0.489	1.00	1.02 (0.87 - 1.19)	0.815	1.00	0.74 (0.40 - 1.35)	0.322	0.887
0.737	0.992	0.98 (0.90 - 1.08)	0.7	0.997	0.94 (0.82 - 1.08)	0.418	0.97	0.92 (0.72 - 1.18)	0.528	0.979	0.98 (0.90 - 1.08)	0.704	0.987	1.03 (0.90 - 1.18)	0.655	1.00	1.02 (0.87 - 1.20)	0.836	1.00	1.39 (0.70 - 2.76)	0.353	0.902
0.445	0.966	1.01 (0.92 - 1.11)	0.819	0.997	1.05 (0.93 - 1.20)	0.431	0.97	1.12 (0.88 - 1.42)	0.351	0.956	1.01 (0.93 - 1.09)	0.794	0.988	0.95 (0.84 - 1.07)	0.409	1.00	0.93 (0.80 - 1.08)	0.368	1.00	1.17 (0.64 - 2.15)	0.609	0.96
0.906	0.992	1.00 (0.91 - 1.10)	0.983	0.997	0.96 (0.84 - 1.10)	0.594	0.974	0.87 (0.69 - 1.11)	0.266	0.945	1.00 (0.92 - 1.09)	0.983	0.997	0.98 (0.87 - 1.11)	0.788	1.00	1.01 (0.86 - 1.18)	0.927	1.00	1.03 (0.56 - 1.89)	0.918	0.986
0.541	0.976	0.95 (0.84 - 1.07)	0.433	0.997	0.90 (0.78 - 1.03)	0.131	0.959	1.08 (0.79 - 1.49)	0.633	0.986	0.95 (0.84 - 1.07)	0.441	0.977	1.05 (0.86 - 1.29)	0.62	1.00	0.99 (0.82 - 1.18)	0.873	1.00	2.19 (0.97 - 4.94)	0.06	0.677
0.603	0.99	0.99 (0.90 - 1.08)	0.795	0.997	1.02 (0.90 - 1.17)	0.721	0.994	0.98 (0.77 - 1.25)	0.861	0.99	0.99 (0.90 - 1.08)	0.796	0.988	1.03 (0.91 - 1.17)	0.605	1.00	1.06 (0.91 - 1.24)	0.464	1.00	0.99 (0.53 - 1.87)	0.987	0.998
0.488	0.969	1.01 (0.93 - 1.11)	0.791	0.997	0.95 (0.83 - 1.08)	0.4	0.966	0.96 (0.76 - 1.22)	0.748	0.986	1.01 (0.93 - 1.10)	0.77	0.988	1.03 (0.90 - 1.18)	0.625	1.00	1.03 (0.87 - 1.21)	0.735	1.00	1.39 (0.69 - 2.81)	0.357	0.902
0.155	0.933	1.01 (0.93 - 1.11)	0.761	0.997	1.04 (0.91 - 1.19)	0.529	0.972	1.03 (0.81 - 1.30)	0.826	0.986	1.01 (0.94 - 1.10)	0.726	0.988	0.94 (0.79 - 1.11)	0.446	1.00	0.88 (0.74 - 1.05)	0.147	1.00	1.95 (1.06 - 3.57)	0.031	0.655
0.925	0.992	0.97 (0.88 - 1.06)	0.478	0.997	1.00 (0.87 - 1.13)	0.947	0.999	1.05 (0.83 - 1.33)	0.687	0.986	0.97 (0.91 - 1.03)	0.322	0.977	1.06 (0.94 - 1.20)	0.32	1.00	1.05 (0.91 - 1.22)	0.517	1.00	1.11 (0.61 - 2.04)	0.725	0.969
0.133	0.933	1.00 (0.91 - 1.09)	0.992	0.999	1.06 (0.94 - 1.20)	0.347	0.959	1.06 (0.84 - 1.34)	0.623	0.984	1.00 (0.93 - 1.07)	0.99	0.998	0.97 (0.85 - 1.11)	0.648	1.00	1.02 (0.86 - 1.19)	0.854	1.00	0.72 (0.36 - 1.47)	0.373	0.909
0.96	0.994	0.99 (0.90 - 1.08)	0.805	0.997	0.95 (0.84 - 1.09)	0.472	0.97	0.91 (0.72 - 1.15)	0.422	0.973	0.99 (0.91 - 1.07)	0.779	0.988	1.08 (0.96 - 1.22)	0.221	1.00	1.12 (0.96 - 1.30)	0.142	1.00	0.73 (0.40 - 1.34)	0.313	0.887
0.748	0.992	1.06 (0.95 - 1.19)	0.302	0.997	1.11 (0.96 - 1.27)	0.145	0.959	1.34 (1.02 - 1.77)	0.039	0.886	1.06 (0.95 - 1.19)	0.314	0.977	1.01 (0.85 - 1.20)	0.917	1.00	0.97 (0.82 - 1.14)	0.687	1.00	2.15 (1.17 - 3.95)	0.013	0.655
0.501	0.969	0.99 (0.91 - 1.08)	0.833	0.997	0.98 (0.86 - 1.11)	0.731	0.994	0.89 (0.70 - 1.13)	0.336	0.954	0.99 (0.93 - 1.06)	0.775	0.988	0.98 (0.81 - 1.17)	0.79	1.00	0.92 (0.78 - 1.09)	0.358	1.00	0.46 (0.24 - 0.85)	0.013	0.655
0.775	0.992	1.00 (0.91 - 1.10)	0.966	0.997	0.97 (0.85 - 1.11)	0.648	0.988	0.92 (0.72 - 1.19)	0.527	0.979	1.00 (0.91 - 1.10)	0.966	0.996	1.06 (0.94 - 1.20)	0.349	1.00	1.04 (0.90 - 1.21)	0.588	1.00	0.96 (0.52 - 1.75)	0.886	0.983
0.902	0.992	1.01 (0.92 - 1.10)	0.842	0.997	1.01 (0.88 - 1.14)	0.932	0.999	0.85 (0.67 - 1.08)	0.195	0.945	1.01 (0.94 - 1.08)	0.804	0.988	1.07 (0.95 - 1.21)	0.249	1.00	1.12 (0.96 - 1.29)	0.151	1.00	0.80 (0.43 - 1.46)	0.458	0.939
0.514	0.97	1.03 (0.94 - 1.12)	0.569	0.997	1.03 (0.91 - 1.18)	0.624	0.983	0.94 (0.74 - 1.20)	0.633	0.986	1.03 (0.95 - 1.11)	0.528	0.977	1.01 (0.89 - 1.14)	0.9	1.00	1.02 (0.87 - 1.19)	0.821	1.00	0.91 (0.49 - 1.66)	0.754	0.976
0.112	0.926	1.02 (0.92 - 1.13)	0.719	0.997	1.01 (0.88 - 1.16)	0.895	0.999	1.29 (1.00 - 1.68)	0.054	0.918	1.02 (0.92 - 1.13)	0.723	0.988	0.99 (0.87 - 1.11)	0.808	1.00	1.00 (0.86 - 1.16)	0.985	1.00	0.76 (0.41 - 1.39)	0.365	0.908
0.914	0.992	1.04 (0.94 - 1.14)	0.486	0.997	0.94 (0.82 - 1.07)	0.355	0.959	0.75 (0.59 - 0.96)	0.019	0.877	1.04 (0.94 - 1.14)	0.493	0.977	0.99 (0.88 - 1.12)	0.878	1.00	0.98 (0.83 - 1.15)	0.776	1.00	0.75 (0.40 - 1.39)	0.36	0.902
0.728	0.992	0.98 (0.90 - 1.08)	0.736	0.997	1.01 (0.88 - 1.15)	0.928	0.999	1.10 (0.86 - 1.40)	0.441	0.979	0.98 (0.90 - 1.08)	0.739	0.988	0.97 (0.86 - 1.09)	0.574	1.00	1.02 (0.87 - 1.19)	0.827	1.00	1.42 (0.77 - 2.60)	0.262	0.86
0.215	0.933	0.94 (0.86 - 1.02)	0.151	0.997	0.94 (0.82 - 1.08)	0.39	0.965	0.94 (0.74 - 1.19)	0.599	0.983	0.94 (0.86 - 1.02)	0.162	0.977	0.99 (0.84 - 1.17)	0.909	1.00	1.00 (0.83 - 1.19)	0.972	1.00	0.99 (0.38 - 2.59)	0.987	0.998
0.93	0.992	0.95 (0.87 - 1.04)	0.303	0.997	0.94 (0.83 - 1.08)	0.387	0.965	0.76 (0.60 - 0.96)	0.023	0.877	0.95 (0.88 - 1.04)	0.28	0.977	1.00 (0.88 - 1.15)	0.976	1.00	1.06 (0.90 - 1.26)	0.466	1.00	0.56 (0.31 - 1.03)	0.062	0.677
0.787	0.992	1.05 (0.96 - 1.15)	0.302	0.997	1.02 (0.90 - 1.16)	0.797	0.997	1.08 (0.85 - 1.37)	0.514	0.979	1.05 (0.97 - 1.14)	0.273	0.977	0.98 (0.87 - 1.11)	0.736	1.00	0.98 (0.84 - 1.13)	0.765	1.00	1.33 (0.72 - 2.44)	0.359	0.902
0.802	0.992	1.02 (0.92 - 1.13)	0.695	0.997	1.03 (0.90 - 1.19)	0.672	0.994	1.18 (0.90 - 1.54)	0.242	0.945	1.02 (0.92 - 1.13)	0.699	0.987	0.99 (0.87 - 1.11)	0.823	1.00	1.00 (0.85 - 1.16)	0.954	1.00	1.36 (0.74 - 2.50)	0.318	0.887
0.892	0.992	1.03 (0.94 - 1.13)	0.523	0.997	0.92 (0.81 - 1.05)	0.222	0.959	0.90 (0.71 - 1.14)	0.373	0.96	1.03 (0.95 - 1.12)	0.501	0.977	0.99 (0.87 - 1.12)	0.876	1.00	0.94 (0.80 - 1.11)	0.468	1.00	1.38 (0.75 - 2.56)	0.305	0.882
0.898	0.992	0.99 (0.90 - 1.09)	0.851	0.997	0.94 (0.82 - 1.07)	0.361	0.959	0.93 (0.72 - 1.21)	0.599	0.983	0.99 (0.90 - 1.09)	0.853	0.988	1.00 (0.89 - 1.13)	0.975	1.00	0.99 (0.85 - 1.16)	0.948	1.00	1.24 (0.67 - 2.27)	0.495	0.944
0.965	0.994	1.01 (0.93 - 1.11)	0.761	0.997	1.01 (0.88 - 1.15)	0.902	0.999	1.11 (0.87 - 1.41)	0.388	0.968	1.01 (0.93 - 1.11)	0.764	0.988	1.04 (0.90 - 1.21)	0.591	1.00	1.05 (0.88 - 1.24)	0.589	1.00	1.86 (1.01 - 3.41)	0.045	0.677
0.139	0.933	0.96 (0.88 - 1.05)	0.404	0.997	0.93 (0.82 - 1.06)	0.289	0.959	1.02 (0.81 - 1.30)	0.839	0.986	0.96 (0.89 - 1.04)	0.318	0.977	1.05 (0.92 - 1.20)	0.444	1.00	1.10 (0.94 - 1.30)	0.245	1.00	1.66 (0.90 - 3.04)	0.102	0.699
0.635	0.99	1.00 (0.91 - 1.09)	0.958	0.997	0.96 (0.85 - 1.09)	0.542	0.972	0.89 (0.70 - 1.12)	0.319	0.948	1.00 (0.94 - 1.06)	0.934	0.993	0.96 (0.85 - 1.08)	0.474	1.00	0.96 (0.83 - 1.12)	0.597	1.00	1.04 (0.57 - 1.90)	0.906	0.985
0.835	0.992	1.03 (0.93 - 1.13)	0.592	0.997	1.00 (0.87 - 1.14)	0.956	0.999	0.93 (0.72 - 1.21)	0.606	0.983	1.03 (0.93 - 1.13)	0.598	0.977	1.06 (0.93 - 1.19)	0.385	1.00	1.07 (0.91 - 1.25)	0.41	1.00	0.72 (0.39 - 1.31)	0.281	0.86
0.306	0.95	0.96 (0.88 - 1.05)	0.377	0.997	0.97 (0.85 - 1.11)	0.671	0.994	0.96 (0.76 - 1.22)	0.738	0.986	0.96 (0.90 - 1.03)	0.263	0.977	0.96 (0.85 - 1.08)	0.501	1.00	0.96 (0.82 - 1.12)	0.6	1.00	0.70 (0.38 - 1.29)	0.254	0.86
0.024	0.909	1.08 (0.99 - 1.18)	0.091	0.997	1.13 (0.99 - 1.28)	0.066	0.959	1.17 (0.93 - 1.49)	0.184	0.945	1.08 (0.99 - 1.17)	0.079	0.977	0.90 (0.79 - 1.04)	0.146	1.00	0.94 (0.81 - 1.10)	0.459	1.00	1.27 (0.63 - 2.53)	0.504	0.945
0.939	0.993	1.00 (0.91 - 1.09)	0.931	0.997	1.01 (0.89 - 1.15)	0.86	0.999	1.03 (0.81 - 1.30)	0.821	0.986	1.00 (0.92 - 1.08)	0.92	0.993	1.07 (0.95 - 1.20)	0.294	1.00	1.04 (0.90 - 1.21)	0.573	1.00	1.27 (0.69 - 2.33)	0.442	0.934
0.046	0.916	1.01 (0.91 - 1.12)	0.879	0.997	1.04 (0.90 - 1.19)	0.621	0.982	1.21 (0.92 - 1.60)	0.168	0.945	1.01 (0.91 - 1.12)	0.88	0.991	1.07 (0.94 - 1.21)	0.315	1.00	1.09 (0.93 - 1.27)	0.311	1.00	1.04 (0.50 - 2.16)	0.917	0.986

			Triple negative												
MR PRESSO OR (95% CI)	MR PRESSO P	MR PRESSO FDR-Adjusted P	IVW OR (95% CI)	IVW P	IVW FDR-Adjusted P	Median OR (95% CI)	Median P	Median FDR-Adjusted P	Egger OR (95% CI)	Egger P	Egger FDR-Adjusted P	MR PRESSO OR (95% CI)	MR PRESSO P	MR PRESSO FDR-Adjusted P
1.10 (0.99 - 1.22)	0.159	0.992	1.04 (0.96 - 1.13)	0.343	0.999	1.00 (0.89 - 1.13)	0.965	1.00	1.00 (0.78 - 1.27)	0.999	1.00	1.04 (0.96 - 1.13)	0.332	0.985
1.01 (0.82 - 1.23)	0.956	0.997	1.02 (0.94 - 1.11)	0.635	0.999	1.05 (0.93 - 1.19)	0.41	1.00	1.06 (0.82 - 1.36)	0.66	1.00	1.02 (0.94 - 1.11)	0.639	0.999
1.02 (0.92 - 1.14)	0.687	0.992	1.00 (0.92 - 1.09)	0.972	0.999	0.97 (0.86 - 1.10)	0.66	1.00	1.01 (0.78 - 1.31)	0.926	1.00	1.00 (0.92 - 1.09)	0.972	0.999
1.10 (0.94 - 1.30)	0.298	0.992	1.04 (0.96 - 1.13)	0.381	0.999	1.00 (0.89 - 1.12)	0.959	1.00	0.91 (0.71 - 1.15)	0.424	1.00	1.04 (0.97 - 1.11)	0.288	0.974
1.05 (0.99 - 1.12)	0.162	0.992	1.03 (0.94 - 1.12)	0.543	0.999	1.01 (0.90 - 1.14)	0.805	1.00	1.11 (0.85 - 1.43)	0.443	1.00	1.03 (0.94 - 1.12)	0.548	0.999
1.03 (0.93 - 1.14)	0.621	0.992	0.99 (0.91 - 1.08)	0.846	0.999	1.03 (0.91 - 1.16)	0.631	1.00	0.98 (0.77 - 1.25)	0.899	1.00	0.99 (0.92 - 1.07)	0.824	0.999
1.00 (0.98 - 1.03)	0.831	0.994	1.01 (0.93 - 1.10)	0.733	0.999	1.01 (0.89 - 1.14)	0.903	1.00	0.96 (0.75 - 1.22)	0.726	1.00	1.01 (0.94 - 1.10)	0.719	0.999
1.06 (0.99 - 1.13)	0.182	0.992	0.99 (0.91 - 1.07)	0.732	0.999	0.98 (0.87 - 1.11)	0.756	1.00	0.96 (0.75 - 1.24)	0.781	1.00	0.99 (0.91 - 1.07)	0.735	0.999
1.12 (1.03 - 1.23)	0.058	0.992	1.04 (0.95 - 1.15)	0.367	0.999	1.05 (0.93 - 1.19)	0.396	1.00	0.94 (0.71 - 1.25)	0.684	1.00	1.04 (0.95 - 1.15)	0.376	0.997
1.08 (0.98 - 1.19)	0.177	0.992	0.98 (0.90 - 1.06)	0.629	0.999	0.95 (0.84 - 1.08)	0.433	1.00	1.08 (0.84 - 1.38)	0.549	1.00	0.98 (0.90 - 1.06)	0.633	0.999
0.97 (0.85 - 1.10)	0.647	0.992	1.02 (0.94 - 1.10)	0.706	0.999	1.07 (0.95 - 1.20)	0.281	1.00	1.33 (1.05 - 1.70)	0.02	1.00	1.02 (0.94 - 1.10)	0.686	0.999
0.86 (0.76 - 0.97)	0.066	0.992	0.95 (0.88 - 1.03)	0.244	0.999	0.95 (0.85 - 1.07)	0.416	1.00	0.92 (0.72 - 1.17)	0.492	1.00	0.95 (0.88 - 1.03)	0.218	0.947
0.88 (0.79 - 0.97)	0.058	0.992	0.97 (0.89 - 1.05)	0.469	0.999	0.97 (0.87 - 1.10)	0.675	1.00	1.00 (0.78 - 1.29)	0.983	1.00	0.97 (0.89 - 1.05)	0.476	0.999
0.92 (0.81 - 1.05)	0.278	0.992	0.92 (0.85 - 1.00)	0.049	0.893	0.91 (0.81 - 1.03)	0.136	1.00	0.95 (0.74 - 1.21)	0.662	1.00	0.92 (0.86 - 0.99)	0.029	0.577
0.99 (0.81 - 1.22)	0.962	0.998	0.93 (0.85 - 1.02)	0.142	0.999	0.95 (0.84 - 1.08)	0.436	1.00	1.04 (0.79 - 1.39)	0.762	1.00	0.93 (0.85 - 1.02)	0.154	0.886
0.99 (0.91 - 1.07)	0.769	0.992	0.99 (0.91 - 1.08)	0.847	0.999	0.96 (0.86 - 1.08)	0.503	1.00	0.94 (0.74 - 1.20)	0.634	1.00	0.99 (0.94 - 1.05)	0.784	0.999
0.96 (0.83 - 1.11)	0.618	0.992	0.98 (0.88 - 1.08)	0.651	0.999	1.05 (0.92 - 1.20)	0.447	1.00	1.20 (0.90 - 1.60)	0.214	1.00	0.98 (0.88 - 1.08)	0.655	0.999
0.97 (0.90 - 1.03)	0.374	0.992	1.01 (0.93 - 1.10)	0.791	0.999	1.02 (0.91 - 1.15)	0.708	1.00	0.94 (0.74 - 1.20)	0.615	1.00	1.01 (0.93 - 1.10)	0.789	0.999
0.91 (0.78 - 1.07)	0.32	0.992	0.96 (0.88 - 1.05)	0.362	0.999	0.93 (0.83 - 1.04)	0.218	1.00	0.80 (0.63 - 1.02)	0.071	1.00	0.96 (0.88 - 1.05)	0.37	0.997
0.96 (0.88 - 1.04)	0.38	0.992	0.96 (0.88 - 1.04)	0.301	0.999	1.01 (0.89 - 1.13)	0.922	1.00	0.96 (0.76 - 1.23)	0.757	1.00	0.96 (0.88 - 1.04)	0.293	0.974
1.06 (0.94 - 1.20)	0.408	0.992	1.03 (0.95 - 1.12)	0.502	0.999	1.03 (0.92 - 1.17)	0.579	1.00	1.18 (0.93 - 1.51)	0.175	1.00	1.03 (0.96 - 1.10)	0.416	0.997
0.94 (0.83 - 1.06)	0.359	0.992	0.96 (0.88 - 1.04)	0.35	0.999	0.95 (0.84 - 1.07)	0.381	1.00	0.87 (0.68 - 1.11)	0.265	1.00	0.96 (0.89 - 1.04)	0.321	0.981
0.99 (0.87 - 1.12)	0.827	0.993	1.00 (0.92 - 1.09)	0.997	0.999	0.95 (0.84 - 1.07)	0.405	1.00	0.80 (0.63 - 1.02)	0.071	1.00	1.00 (0.92 - 1.08)	0.997	0.999
0.97 (0.87 - 1.08)	0.645	0.992	0.99 (0.88 - 1.10)	0.798	0.999	0.95 (0.84 - 1.08)	0.453	1.00	0.87 (0.63 - 1.20)	0.402	1.00	0.99 (0.88 - 1.10)	0.8	0.999
1.14 (1.04 - 1.26)	0.056	0.992	0.99 (0.91 - 1.08)	0.818	0.999	1.00 (0.88 - 1.13)	0.963	1.00	0.94 (0.73 - 1.19)	0.592	1.00	0.99 (0.92 - 1.06)	0.785	0.999
0.98 (0.84 - 1.14)	0.811	0.992	0.97 (0.89 - 1.05)	0.436	0.999	1.01 (0.90 - 1.14)	0.836	1.00	0.95 (0.74 - 1.21)	0.661	1.00	0.97 (0.90 - 1.04)	0.364	0.997
0.96 (0.82 - 1.12)	0.628	0.992	0.99 (0.91 - 1.08)	0.828	0.999	1.01 (0.90 - 1.14)	0.866	1.00	0.97 (0.76 - 1.24)	0.833	1.00	0.99 (0.92 - 1.07)	0.806	0.999
1.10 (0.99 - 1.24)	0.162	0.992	0.93 (0.86 - 1.02)	0.108	0.984	0.93 (0.83 - 1.06)	0.28	1.00	0.96 (0.75 - 1.22)	0.735	1.00	0.93 (0.88 - 0.99)	0.041	0.667
1.03 (0.88 - 1.20)	0.718	0.992	0.98 (0.88 - 1.08)	0.685	0.999	1.02 (0.90 - 1.15)	0.772	1.00	0.99 (0.73 - 1.35)	0.964	1.00	0.98 (0.88 - 1.08)	0.689	0.999
0.94 (0.86 - 1.02)	0.211	0.992	0.99 (0.92 - 1.08)	0.89	0.999	1.08 (0.96 - 1.22)	0.199	1.00	1.12 (0.88 - 1.42)	0.375	1.00	0.99 (0.92 - 1.07)	0.876	0.999
0.97 (0.87 - 1.08)	0.58	0.992	0.99 (0.90 - 1.09)	0.823	0.999	1.08 (0.96 - 1.23)	0.213	1.00	1.25 (0.96 - 1.62)	0.099	1.00	0.99 (0.90 - 1.09)	0.825	0.999
0.99 (0.90 - 1.10)	0.885	0.996	1.01 (0.93 - 1.10)	0.839	0.999	0.99 (0.88 - 1.11)	0.883	1.00	1.08 (0.85 - 1.38)	0.532	1.00	1.01 (0.94 - 1.08)	0.815	0.999
1.00 (0.87 - 1.15)	0.997	1	0.93 (0.85 - 1.01)	0.069	0.943	0.88 (0.78 - 0.99)	0.031	1.00	0.89 (0.70 - 1.13)	0.332	1.00	0.93 (0.86 - 1.00)	0.051	0.706
1.03 (0.89 - 1.19)	0.722	0.992	0.96 (0.87 - 1.05)	0.389	0.999	0.90 (0.80 - 1.01)	0.08	1.00	0.77 (0.59 - 1.01)	0.056	1.00	0.96 (0.87 - 1.05)	0.397	0.997
1.07 (0.93 - 1.24)	0.402	0.992	1.01 (0.93 - 1.10)	0.783	0.999	0.99 (0.88 - 1.11)	0.906	1.00	0.95 (0.74 - 1.21)	0.651	1.00	1.01 (0.95 - 1.08)	0.726	0.999
0.97 (0.88 - 1.06)	0.549	0.992	0.96 (0.89 - 1.05)	0.374	0.999	0.95 (0.85 - 1.06)	0.372	1.00	1.00 (0.79 - 1.28)	0.988	1.00	0.96 (0.91 - 1.02)	0.226	0.95
1.00 (0.92 - 1.08)	0.918	0.996	1.08 (1.00 - 1.17)	0.064	0.943	1.16 (1.03 - 1.31)	0.012	1.00	1.09 (0.86 - 1.39)	0.469	1.00	1.08 (1.00 - 1.17)	0.056	0.711
0.94 (0.88 - 1.00)	0.136	0.992	0.93 (0.86 - 1.01)	0.083	0.976	0.94 (0.84 - 1.05)	0.296	1.00	0.86 (0.67 - 1.09)	0.207	1.00	0.93 (0.87 - 0.99)	0.04	0.666
1.01 (0.88 - 1.16)	0.877	0.996	1.02 (0.94 - 1.10)	0.707	0.999	0.97 (0.87 - 1.09)	0.661	1.00	0.93 (0.73 - 1.19)	0.573	1.00	1.02 (0.95 - 1.09)	0.651	0.999
0.98 (0.88 - 1.09)	0.754	0.992	0.96 (0.88 - 1.04)	0.349	0.999	0.97 (0.86 - 1.08)	0.565	1.00	1.16 (0.91 - 1.48)	0.222	1.00	0.96 (0.89 - 1.03)	0.299	0.974
0.98 (0.86 - 1.13)	0.824	0.993	0.97 (0.89 - 1.05)	0.458	0.999	0.97 (0.86 - 1.09)	0.581	1.00	0.96 (0.75 - 1.22)	0.748	1.00	0.97 (0.91 - 1.03)	0.334	0.985
1.04 (0.97 - 1.11)	0.362	0.992	1.03 (0.95 - 1.12)	0.505	0.999	1.05 (0.93 - 1.18)	0.407	1.00	1.06 (0.83 - 1.35)	0.638	1.00	1.03 (0.96 - 1.10)	0.418	0.997
0.90 (0.83 - 0.97)	0.058	0.992	0.95 (0.87 - 1.03)	0.184	0.999	0.97 (0.87 - 1.09)	0.639	1.00	0.88 (0.69 - 1.12)	0.3	1.00	0.95 (0.89 - 1.00)	0.068	0.741
0.96 (0.90 - 1.01)	0.202	0.992	0.94 (0.86 - 1.02)	0.134	0.999	0.92 (0.82 - 1.04)	0.18	1.00	0.92 (0.73 - 1.18)	0.525	1.00	0.94 (0.88 - 1.00)	0.064	0.739
1.00 (0.90 - 1.10)	0.939	0.997	0.99 (0.90 - 1.08)	0.804	0.999	1.00 (0.89 - 1.14)	0.963	1.00	1.24 (0.96 - 1.59)	0.096	1.00	0.99 (0.90 - 1.08)	0.806	0.999
1.03 (0.92 - 1.16)	0.61	0.992	1.01 (0.93 - 1.09)	0.892	0.999	0.96 (0.85 - 1.08)	0.479	1.00	0.89 (0.70 - 1.13)	0.34	1.00	1.01 (0.93 - 1.09)	0.885	0.999
0.93 (0.89 - 0.97)	0.029	0.992	0.96 (0.89 - 1.05)	0.404	0.999	0.95 (0.85 - 1.07)	0.435	1.00	0.92 (0.72 - 1.18)	0.515	1.00	0.96 (0.89 - 1.05)	0.412	0.997
0.90 (0.78 - 1.03)	0.192	0.992	0.93 (0.85 - 1.01)	0.07	0.943	0.91 (0.81 - 1.02)	0.118	1.00	0.92 (0.72 - 1.18)	0.521	1.00	0.93 (0.87 - 0.99)	0.033	0.617
1.01 (0.93 - 1.11)	0.782	0.992	1.04 (0.95 - 1.13)	0.363	0.999	1.04 (0.93 - 1.17)	0.479	1.00	1.08 (0.84 - 1.40)	0.534	1.00	1.04 (0.95 - 1.13)	0.372	0.997
0.91 (0.86 - 0.96)	0.028	0.992	0.91 (0.83 - 0.98)	0.019	0.763	0.90 (0.80 - 1.00)	0.06	1.00	0.82 (0.64 - 1.05)	0.112	1.00	0.91 (0.85 - 0.97)	0.008	0.464
0.91 (0.84 - 0.99)	0.085	0.992	0.93 (0.86 - 1.01)	0.081	0.97	0.92 (0.82 - 1.03)	0.141	1.00	0.89 (0.70 - 1.13)	0.346	1.00	0.93 (0.86 - 1.00)	0.058	0.711
0.96 (0.77 - 1.19)	0.708	0.992	0.99 (0.91 - 1.08)	0.84	0.999	1.00 (0.89 - 1.13)	0.977	1.00	1.00 (0.79 - 1.28)	0.976	1.00	0.99 (0.92 - 1.07)	0.822	0.999
1.00 (0.92 - 1.09)	0.96	0.998	1.04 (0.96 - 1.13)	0.3	0.999	1.08 (0.96 - 1.22)	0.206	1.00	0.93 (0.73 - 1.18)	0.529	1.00	1.04 (0.97 - 1.12)	0.248	0.965
1.04 (0.93 - 1.16)	0.57	0.992	0.97 (0.89 - 1.06)	0.503	0.999	0.97 (0.86 - 1.10)	0.65	1.00	0.99 (0.78 - 1.26)	0.932	1.00	0.97 (0.90 - 1.05)	0.484	0.999
0.96 (0.85 - 1.08)	0.549	0.992	0.96 (0.88 - 1.04)	0.335	0.999	0.94 (0.84 - 1.05)	0.247	1.00	0.93 (0.73 - 1.18)	0.539	1.00	0.96 (0.91 - 1.02)	0.178	0.902
0.90 (0.83 - 0.98)	0.073	0.992	0.99 (0.90 - 1.09)	0.909	0.999	1.01 (0.90 - 1.14)	0.845	1.00	0.87 (0.66 - 1.15)	0.318	1.00	0.99 (0.90 - 1.09)	0.91	0.999
0.91 (0.77 - 1.08)	0.338	0.992	0.92 (0.85 - 1.01)	0.072	0.944	0.91 (0.81 - 1.03)	0.121	1.00	0.79 (0.61 - 1.01)	0.062	1.00	0.92 (0.85 - 1.01)	0.084	0.785
1.01 (0.86 - 1.20)	0.893	0.996	1.00 (0.92 - 1.09)	0.978	0.999	0.99 (0.88 - 1.11)	0.853	1.00	0.95 (0.74 - 1.21)	0.66	1.00	1.00 (0.92 - 1.08)	0.977	0.999
1.04 (0.89 - 1.22)	0.615	0.992	1.05 (0.94 - 1.17)	0.393	0.999	1.05 (0.93 - 1.19)	0.401	1.00	0.91 (0.67 - 1.25)	0.576	1.00	1.05 (0.94 - 1.17)	0.401	0.997
1.06 (0.93 - 1.22)	0.436	0.992	1.06 (0.97 - 1.15)	0.204	0.999	1.09 (0.96 - 1.22)	0.186	1.00	1.06 (0.83 - 1.36)	0.632	1.00	1.06 (0.97 - 1.15)	0.215	0.946
1.00 (0.88 - 1.13)	0.968	0.998	0.94 (0.86 - 1.03)	0.173	0.999	0.92 (0.82 - 1.04)	0.19	1.00	0.92 (0.71 - 1.20)	0.55	1.00	0.94 (0.86 - 1.03)	0.185	0.91
1.07 (0.99 - 1.16)	0.159	0.992	0.99 (0.89 - 1.09)	0.773	0.999	1.02 (0.90 - 1.15)	0.801	1.00	1.06 (0.78 - 1.44)	0.711	1.00	0.99 (0.89 - 1.09)	0.775	0.999
1.09 (0.98 - 1.22)	0.183	0.992	1.13 (1.04 - 1.23)	0.003	0.569	1.12 (1.00 - 1.26)	0.057	1.00	1.25 (0.98 - 1.59)	0.076	1.00	1.13 (1.06 - 1.22)	0.002	0.371
1.00 (0.97 - 1.04)	0.945	0.997	1.03 (0.95 - 1.12)	0.435	0.999	1.03 (0.92 - 1.16)	0.589	1.00	0.97 (0.76 - 1.24)	0.802	1.00	1.03 (0.98 - 1.09)	0.245	0.963
1.02 (0.92 - 1.13)	0.759	0.992	1.04 (0.96 - 1.13)	0.326	0.999	1.02 (0.90 - 1.15)	0.813	1.00	0.89 (0.70 - 1.14)	0.351	1.00	1.04 (0.96 - 1.13)	0.316	0.981
0.96 (0.86 - 1.07)	0.475	0.992	1.03 (0.94 - 1.13)	0.567	0.999	1.09 (0.96 - 1.24)	0.199	1.00	1.18 (0.90 - 1.54)	0.223	1.00	1.03 (0.94 - 1.13)	0.572	0.999
1.03 (0.90 - 1.18)	0.678	0.992	0.99 (0.91 - 1.07)	0.746	0.999	0.96 (0.85 - 1.08)	0.508	1.00	1.05 (0.82 - 1.34)	0.702	1.00	0.99 (0.91 - 1.07)	0.733	0.999
0.95 (0.88 - 1.02)	0.235	0.992	1.06 (0.98 - 1.15)	0.149	0.999	1.07 (0.95 - 1.20)	0.242	1.00	1.12 (0.88 - 1.42)	0.377	1.00	1.06 (0.99 - 1.14)	0.112	0.862
0.98 (0.89 - 1.09)	0.767	0.992	0.96 (0.89 - 1.04)	0.357	0.999	0.97 (0.86 - 1.08)	0.544	1.00	0.98 (0.77 - 1.24)	0.846	1.00	0.96 (0.90 - 1.02)	0.231	0.95
1.05 (0.86 - 1.29)	0.646	0.992	1.02 (0.92 - 1.12)	0.729	0.999	1.02 (0.91 - 1.16)	0.693	1.00	1.07 (0.81 - 1.42)	0.622	1.00	1.02 (0.92 - 1.12)	0.732	0.999
1.03 (0.93 - 1.15)	0.599	0.992	0.94 (0.86 - 1.03)	0.171	0.999	0.96 (0.85 - 1.08)	0.482	1.00	1.09 (0.85 - 1.40)	0.501	1.00	0.94 (0.86 - 1.03)	0.184	0.91
1.03 (0.90 - 1.18)	0.65	0.992	1.00 (0.93 - 1.09)	0.91	0.999	0.97 (0.86 - 1.09)	0.581	1.00	1.07 (0.84 - 1.37)	0.574	1.00	1.00 (0.93 - 1.08)	0.9	0.999
0.94 (0.79 - 1.11)	0.489	0.992	1.02 (0.94 - 1.11)	0.58	0.999	1.04 (0.92 - 1.18)	0.551	1.00	1.17 (0.91 - 1.50)	0.217	1.00	1.02 (0.94 - 1.11)	0.585	0.999
1.06 (1.00 - 1.13)	0.112	0.992	1.02 (0.94 - 1.11)	0.605	0.999	1.07 (0.94 - 1.21)	0.309	1.00	0.88 (0.69 - 1.12)	0.291	1.00	1.02 (0.94 - 1.11)	0.609	0.999
0.97 (0.85 - 1.11)	0.672	0.992	0.94 (0.86 - 1.02)	0.138	0.999	0.93 (0.83 - 1.06)	0.276	1.00	0.83 (0.65 - 1.06)	0.137	1.00	0.94 (0.86 - 1.02)	0.151	0.886
1.08 (0.99 - 1.18)	0.175	0.992	0.97 (0.88 - 1.06)	0.496	0.999	0.89 (0.79 - 1.01)	0.081	1.00	0.87 (0.66 - 1.14)	0.312	1.00	0.97 (0.88 - 1.06)	0.503	0.999
1.01 (0.85 - 1.20)	0.922	0.996	1.00 (0.92 - 1.10)	0.917	0.999	0.96 (0.85 - 1.09)	0.543	1.00	1.01 (0.77 - 1.32)	0.94	1.00	1.00 (0.92 - 1.10)	0.918	0.999
0.98 (0.81 - 1.17)	0.803	0.992	0.99 (0.91 - 1.07)	0.786	0.999	1.03 (0.92 - 1.16)	0.575	1.00	1.00 (0.78 - 1.27)	0.993	1.00	0.99 (0.93 - 1.06)	0.733	0.999
1.06 (0.98 - 1.15)	0.218	0.992	1.03 (0.94 - 1.11)	0.542	0.999	0.97 (0.86 - 1.10)	0.653	1.00	0.82 (0.64 - 1.04)	0.102	1.00	1.03 (0.95 - 1.11)	0.506	0.999
1.07 (1.01 - 1.15)	0.103	0.992	1.11 (1.02 - 1.21)	0.012	0.653	1.11 (0.99 - 1.25)	0.076	1.00	0.92 (0.73 - 1.18)	0.528	1.00	1.11 (1.04 - 1.19)	0.007	0.446
1.01 (0.92 - 1.10)	0.868	0.996	1.02 (0.94 - 1.11)	0.684	0.999	1.04 (0.93 - 1.17)	0.464	1.00	0.92 (0.72 - 1.18)	0.516	1.00	1.02 (0.96 - 1.08)	0.563	0.999
0.99 (0.91 - 1.07)	0.738	0.992	0.96 (0.88 - 1.04)	0.35	0.999	0.91 (0.80 - 1.02)	0.11	1.00	0.87 (0.68 - 1.11)	0.271	1.00	0.96 (0.89 - 1.04)	0.348	0.997
0.99 (0.88 - 1.12)	0.884	0.996	0.97 (0.89 - 1.05)	0.443	0.999	0.99 (0.88 - 1.11)	0.873	1.00	1.01 (0.79 - 1.29)	0.922	1.00	0.97 (0.90 - 1.04)	0.378	0.997
0.97 (0.86 - 1.09)	0.594	0.992	0.96 (0.89 - 1.05)	0.373	0.999	0.95 (0.85 - 1.06)	0.331	1.00	0.96 (0.75 - 1.22)	0.733	1.00	0.96 (0.91 - 1.02)	0.2	0.937
0.99 (0.84 - 1.17)	0.914	0.996	0.98 (0.90 - 1.07)	0.655	0.999	1.00 (0.89 - 1.13)	0.987	1.00	0.89 (0.69 - 1.13)	0.327	1.00	0.98 (0.91 - 1.06)	0.641	0.999
1.00 (0.88 - 1.15)	0.977	1	1.00 (0.92 - 1.08)	0.948	0.999	1.03 (0.91 - 1.16)	0.664	1.00	1.01 (0.79 - 1.29)	0.925	1.00	1.00 (0.92 - 1.08)	0.947	0.999
0.98 (0.92 - 1.04)	0.557	0.992	1.05 (0.96 - 1.14)	0.295	0.999	1.03 (0.91 - 1.16)	0.635	1.00	0.96 (0.75 - 1.22)	0.726	1.00	1.05 (0.96 - 1.13)	0.288	0.974
0.99 (0.90 - 1.09)	0.791	0.992	1.00 (0.92 - 1.09)	0.981	0.999	0.99 (0.87 - 1.11)	0.826	1.00	1.12 (0.87 - 1.46)	0.382	1.00	1.00 (0.92 - 1.09)	0.981	0.999
0.99 (0.87 - 1.12)	0.883	0.996	0.99 (0.91 - 1.07)	0.787	0.999	0.93 (0.82 - 1.04)	0.215	1.00	0.94 (0.74 - 1.20)	0.613	1.00	0.99 (0.91 - 1.07)	0.778	0.999
1.00 (0.90 - 1.11)	0.972	0.999	0.99 (0.91 - 1.07)	0.786	0.999	0.98 (0.87 - 1.10)	0.726	1.00	1.00 (0.79 - 1.28)	0.987	1.00	0.99 (0.93 - 1.05)	0.707	0.999
1.04 (0.90 - 1.21)	0.62	0.992	1.07 (0.99 - 1.17)	0.105	0.984	1.13 (1.00 - 1.28)	0.048	1.00	1.01 (0.78 - 1.30)	0.937	1.00	1.07 (0.99 - 1.17)	0.117	0.863
1.05 (0.92 - 1.20)	0.487	0.992	1.00 (0.91 - 1.10)	0.992	0.999	0.96 (0.85 - 1.09)	0.543	1.00	0.91 (0.69 - 1.19)	0.473	1.00	1.00 (0.91 - 1.10)	0.992	0.999
0.96 (0.88 - 1.04)	0.351	0.992	1.00 (0.92 - 1.08)	0.931	0.999	0.98 (0.87 - 1.10)	0.731	1.00	1.01 (0.80 - 1.29)	0.907	1.00	1.00 (0.94 - 1.05)	0.897	0.999
1.06 (0.94 - 1.19)	0.419	0.992	1.00 (0.92 - 1.09)	0.996	0.999	1.04 (0.93 - 1.18)	0.475	1.00	1.03 (0.80 - 1.32)	0.807	1.00	1.00 (0.92 - 1.09)	0.996	0.999
0.96 (0.87 - 1.05)	0.426	0.992	1.01 (0.93 - 1.09)	0.901	0.999	0.96 (0.86 - 1.08)	0.55	1.00	0.99 (0.78 - 1.27)	0.967	1.00	1.01 (0.93 - 1.08)	0.893	0.999
0.90 (0.79 - 1.04)	0.22	0.992	0.95 (0.87 - 1.03)	0.218	0.999	0.94 (0.84 - 1.06)	0.327	1.00	1.00 (0.77 - 1.29)	0.982	1.00	0.95 (0.87 - 1.03)	0.23	0.95
1.07 (1.00 - 1.14)	0.127	0.992	1.08 (0.98 - 1.18)	0.108	0.984	1.03 (0.91 - 1.16)	0.671	1.00	1.00 (0.76 - 1.32)	0.994	1.00	1.08 (0.98 - 1.18)	0.121	0.863
1.07 (0.94 - 1.21)	0.371	0.992	1.04 (0.94 - 1.15)	0.41	0.999	1.06 (0.94 - 1.20)	0.359	1.00	1.12 (0.83 - 1.50)	0.463	1.00	1.04 (0.94 - 1.15)	0.418	0.997