

R2≥0	No LD Pruning									
	RR		AUC		Calibration Score		N	Dosage		
Pvalue	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage	
≤5E-08	166	1.18	1.18	0.777	0.777	2.691	2.684	36	1.20	
≤0.00001	525	1.23	1.23	0.780	0.780	2.560	2.563	164	1.24	
≤0.001	7387	1.28	1.28	0.783	0.783	2.855	2.888	2267	1.27	
≤0.01	41017	1.21	1.21	0.780	0.780	2.368	2.369	13235	1.22	
≤0.05	156193	1.22	1.21	0.780	0.780	2.298	2.257	50137	1.21	
≤0.1	287398	1.20	1.20	0.779	0.779	2.413	2.367	92396	1.20	
≤0.2	535188	1.18	1.18	0.778	0.778	2.381	2.350	167261	1.20	
≤0.5	1244367	1.16	1.16	0.777	0.777	2.497	2.473	372861	1.20	

R2≥0.3	No LD Pruning									
	RR		AUC		Calibration Score		N	Dosage		
Pvalue	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage	
≤5E-08	157	1.17	1.18	0.777	0.777	2.703	2.712	33	1.19	
≤0.00001	497	1.22	1.22	0.779	0.780	2.568	2.600	147	1.20	
≤0.001	7205	1.27	1.27	0.783	0.783	2.880	2.915	2129	1.16	
≤0.01	39773	1.21	1.21	0.780	0.780	2.403	2.405	12294	1.16	
≤0.05	151000	1.21	1.21	0.780	0.780	2.288	2.266	46239	1.16	
≤0.1	277677	1.20	1.20	0.779	0.779	2.386	2.366	84121	1.17	
≤0.2	516510	1.18	1.18	0.778	0.778	2.357	2.344	153412	1.17	
≤0.5	1199808	1.16	1.15	0.777	0.777	2.470	2.473	340442	1.18	

R2≥0.5	No LD Pruning									
	RR		AUC		Calibration Score		N	Dosage		
Pvalue	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage	
≤5E-08	157	1.17	1.18	0.777	0.777	2.703	2.712	33	1.19	
≤0.00001	472	1.22	1.22	0.779	0.779	2.577	2.601	130	1.22	
≤0.001	6959	1.27	1.27	0.783	0.783	2.896	2.921	1961	1.21	
≤0.01	38016	1.21	1.21	0.779	0.780	2.400	2.391	11175	1.19	
≤0.05	144181	1.21	1.21	0.779	0.780	2.278	2.258	41855	1.18	
≤0.1	264651	1.20	1.20	0.779	0.779	2.375	2.363	75739	1.18	
≤0.2	491577	1.18	1.18	0.778	0.778	2.349	2.345	137553	1.17	
≤0.5	1140603	1.15	1.15	0.777	0.777	2.450	2.453	303550	1.16	

R2≥0.8	No LD Pruning									
	RR		AUC		Calibration Score		N	Dosage		
Pvalue	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage	
≤5E-08	139	1.17	1.17	0.777	0.777	2.722	2.752	28	1.18	

≤0.00001	411	1.22	1.22	0.779	0.779	2.591	2.616	107	1.25
≤0.001	6015	1.26	1.26	0.782	0.782	2.907	2.921	1498	1.26
≤0.01	32043	1.19	1.19	0.779	0.779	2.458	2.460	8145	1.20
≤0.05	120167	1.20	1.20	0.779	0.779	2.272	2.279	29735	1.20
≤0.1	220218	1.18	1.18	0.778	0.778	2.361	2.363	53392	1.18
≤0.2	407985	1.17	1.17	0.778	0.778	2.322	2.314	96257	1.19
≤0.5	944060	1.15	1.15	0.777	0.777	2.415	2.408	209758	1.19

R2≥0.9	No LD Pruning								
	RR		AUC		Calibration Score		N	Dosage	
Pvalue	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage
≤5E-08	120	1.17	1.17	0.777	0.777	2.729	2.735	23	1.17
≤0.00001	335	1.21	1.21	0.779	0.779	2.608	2.632	86	1.25
≤0.001	5055	1.25	1.25	0.782	0.782	2.991	2.990	1127	1.27
≤0.01	26528	1.18	1.18	0.778	0.778	2.493	2.490	6034	1.22
≤0.05	98717	1.18	1.18	0.778	0.778	2.268	2.265	21876	1.20
≤0.1	180576	1.17	1.17	0.778	0.778	2.381	2.378	39117	1.19
≤0.2	334259	1.15	1.16	0.777	0.777	2.349	2.343	70397	1.19
≤0.5	772780	1.14	1.14	0.776	0.776	2.409	2.403	152567	1.19

LD=0.8					LD=0.5				
RR	AUC		Calibration Score			RR		AUC	
Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage	Genotype	Dosage	Genotype
1.20	0.779	0.779	2.518	2.461	21	1.20	1.20	0.779	0.779
1.25	0.780	0.781	2.297	2.231	120	1.22	1.22	0.779	0.779
1.27	0.782	0.782	2.278	2.350	1711	1.23	1.23	0.780	0.780
1.22	0.779	0.779	2.440	2.423	9935	1.19	1.18	0.778	0.778
1.21	0.779	0.779	2.732	2.657	36552	1.20	1.20	0.778	0.778
1.20	0.779	0.779	2.881	2.833	65140	1.20	1.19	0.778	0.778
1.20	0.778	0.778	2.886	2.853	115731	1.19	1.18	0.778	0.778
1.19	0.778	0.778	2.846	2.823	242212	1.20	1.19	0.778	0.778

LD=0.8					LD=0.5				
RR	AUC		Calibration Score			RR		AUC	
Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage	Genotype	Dosage	Genotype
1.19	0.778	0.778	2.545	2.536	19	1.19	1.19	0.778	0.778
1.24	0.779	0.781	2.648	2.258	108	1.16	1.22	0.777	0.779
1.26	0.777	0.781	2.623	2.447	1585	1.11	1.22	0.775	0.780
1.21	0.778	0.779	2.661	2.506	9120	1.13	1.17	0.776	0.778
1.21	0.777	0.779	2.814	2.674	33189	1.13	1.19	0.776	0.778
1.19	0.777	0.778	2.830	2.847	58917	1.14	1.18	0.776	0.778
1.19	0.777	0.778	2.841	2.853	104040	1.14	1.18	0.776	0.777
1.19	0.778	0.778	2.874	2.826	215602	1.15	1.19	0.776	0.778

LD=0.8					LD=0.5				
RR	AUC		Calibration Score			RR		AUC	
Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage	Genotype	Dosage	Genotype
1.19	0.778	0.778	2.545	2.536	19	1.19	1.19	0.778	0.778
1.24	0.779	0.781	2.763	2.263	95	1.17	1.24	0.777	0.780
1.26	0.779	0.782	2.806	2.449	1448	1.17	1.22	0.777	0.780
1.21	0.778	0.779	2.684	2.496	8184	1.15	1.17	0.776	0.778
1.21	0.778	0.779	2.886	2.677	29623	1.15	1.19	0.776	0.778
1.10	0.778	0.774	2.886	2.687	52116	1.15	1.18	0.777	0.778
1.18	0.777	0.778	2.851	2.884	91413	1.14	1.16	0.776	0.776
1.19	0.777	0.778	2.896	2.863	187319	1.13	1.19	0.776	0.778

LD=0.8					LD=0.5				
RR	AUC		Calibration Score			RR		AUC	
Genotype	Dosage	Genotype	Dosage	Genotype	N	Dosage	Genotype	Dosage	Genotype
1.18	0.777	0.777	2.653	2.778	14	1.14	1.14	0.776	0.776

1.24	0.781	0.781	2.302	2.365	75	1.25	1.23	0.781	0.780
1.26	0.781	0.782	2.410	2.335	1074	1.22	1.20	0.779	0.779
1.21	0.779	0.779	2.350	2.348	5770	1.17	1.17	0.777	0.778
1.20	0.779	0.779	2.686	2.685	20395	1.20	1.19	0.778	0.778
1.18	0.778	0.779	2.877	2.877	35474	1.19	1.18	0.778	0.778
1.19	0.778	0.778	2.878	2.854	61564	1.19	1.19	0.778	0.778
1.19	0.778	0.778	2.845	2.818	123301	1.20	1.19	0.778	0.778

LD=0.8					LD=0.5					
RR	AUC		Calibration Score		N	RR	AUC			
Genotype	Dosage	Genotype	Dosage	Genotype		Dosage	Genotype	Dosage	Genotype	
	1.17	0.777	0.777	2.651	2.684	13	1.14	1.13	0.775	0.775
	1.24	0.781	0.781	2.317	2.422	61	1.27	1.22	0.782	0.780
	1.27	0.782	0.782	2.585	2.523	816	1.24	1.21	0.780	0.779
	1.22	0.780	0.780	2.360	2.312	4256	1.18	1.18	0.778	0.778
	1.19	0.779	0.779	2.653	2.603	14920	1.20	1.19	0.779	0.778
	1.18	0.779	0.778	2.855	2.867	25888	1.20	1.17	0.779	0.778
	1.19	0.779	0.779	2.903	2.885	44829	1.21	1.19	0.779	0.778
	1.18	0.778	0.778	2.903	2.923	89178	1.20	1.19	0.778	0.778

		LD=0.2							
Calibration Score		RR			AUC		Calibration Score		
Dosage	Genotype	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	
2.510	2.427	18	1.19	1.20	0.780	0.780	2.514	2.356	
2.524	2.498	95	1.18	1.19	0.777	0.777	2.586	2.595	
2.235	2.340	1406	1.18	1.17	0.777	0.777	2.248	2.377	
2.606	2.583	7824	1.16	1.16	0.776	0.777	2.721	2.728	
2.757	2.724	26454	1.17	1.17	0.777	0.777	2.746	2.743	
2.892	2.849	45001	1.18	1.17	0.778	0.778	2.847	2.774	
2.790	2.790	74889	1.20	1.20	0.778	0.778	2.839	2.788	
2.726	2.707	137544	1.21	1.20	0.778	0.778	2.739	2.667	

		LD=0.2							
Calibration Score		RR			AUC		Calibration Score		
Dosage	Genotype	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	
2.551	2.526	16	1.18	1.19	0.778	0.778	2.570	2.481	
2.950	2.497	85	1.13	1.19	0.776	0.777	2.969	2.614	
2.727	2.440	1291	1.08	1.17	0.775	0.777	2.762	2.459	
2.831	2.676	7091	1.11	1.15	0.775	0.776	2.917	2.814	
2.958	2.746	23592	1.10	1.17	0.775	0.777	3.028	2.755	
2.882	2.858	39828	1.11	1.17	0.775	0.777	2.935	2.802	
2.831	2.783	65458	1.12	1.19	0.776	0.778	2.915	2.767	
2.856	2.718	117127	1.13	1.20	0.776	0.777	2.930	2.666	

		LD=0.2							
Calibration Score		RR			AUC		Calibration Score		
Dosage	Genotype	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	
2.551	2.526	16	1.18	1.19	0.778	0.778	2.570	2.481	
3.006	2.466	77	1.15	1.21	0.776	0.778	2.956	2.550	
2.873	2.404	1169	1.14	1.16	0.776	0.777	2.903	2.451	
2.827	2.693	6303	1.13	1.14	0.776	0.776	2.915	2.840	
3.007	2.757	20771	1.13	1.17	0.775	0.777	3.055	2.828	
2.909	2.931	34660	1.13	1.17	0.776	0.777	2.922	2.917	
2.795	2.883	56293	1.13	1.19	0.775	0.778	2.820	2.837	
2.858	2.779	98725	1.12	1.21	0.775	0.778	2.869	2.760	

		LD=0.2							
Calibration Score		RR			AUC		Calibration Score		
Dosage	Genotype	N	Dosage	Genotype	Dosage	Genotype	Dosage	Genotype	
2.867	2.975	12	1.09	1.09	0.774	0.774	2.937	2.967	

2.521	2.665	60	1.23	1.18	0.779	0.777	2.609	2.731
2.213	2.259	855	1.17	1.14	0.777	0.776	2.181	2.288
2.578	2.517	4356	1.14	1.13	0.776	0.776	2.694	2.648
2.819	2.730	13932	1.19	1.18	0.778	0.778	2.815	2.783
2.975	2.896	22908	1.19	1.18	0.778	0.778	3.023	2.975
2.843	2.756	36680	1.21	1.20	0.779	0.779	2.934	2.916
2.779	2.710	62442	1.22	1.21	0.779	0.778	2.848	2.885

Calibration Score		LD=0.2						Calibration Score	
Dosage	Genotype	N	RR		AUC		Dosage	Genotype	
			Dosage	Genotype	Dosage	Genotype			
2.853	2.892	11	1.08	1.12	0.774	0.774	2.928	2.937	
2.486	2.804	48	1.25	1.19	0.781	0.778	2.743	2.891	
2.318	2.450	645	1.19	1.15	0.778	0.776	2.220	2.403	
2.577	2.459	3193	1.15	1.15	0.777	0.777	2.626	2.517	
2.814	2.622	10152	1.18	1.17	0.778	0.778	2.876	2.691	
2.959	2.885	16626	1.19	1.16	0.778	0.778	3.006	2.925	
2.897	2.814	26596	1.20	1.20	0.779	0.779	2.966	2.936	
2.877	2.845	45069	1.19	1.20	0.778	0.778	3.000	3.004	