

**Supplementary Table 9. Statistical power for drug-target MR analyses.**

Drug target	R2	Statistical power											
		Lifespan	CAS	CHD	T2D	Hypertension	NAFLD	Osteoporosis	CRC	GC	EC	TC	BC
<i>LDLR</i>	0.11%	98%	92%	100%	100%	99%	12%	90%	100%	91%	100%	61%	33%
<i>HMGCR</i>	0.10%	74%	95%	100%	100%	96%	6%	99%	100%	38%	100%	48%	80%
<i>PCSK9</i>	0.15%	72%	98%	100%	100%	100%	10%	96%	100%	67%	43%	89%	66%
<i>NPC1L1</i>	0.06%	16%	68%	100%	100%	93%	-	-	100%	-	64%	-	-
<i>APOB</i>	0.14%	86%	100%	100%	100%	99%	25%	100%	100%	93%	25%	41%	80%
<i>CETP</i>	0.08%	18%	63%	99%	100%	91%	6%	100%	99%	87%	20%	13%	19%
<i>LPL</i>	0.16%	96%	82%	93%	100%	98%	19%	100%	100%	31%	13%	26%	16%
<i>ANGPTL3</i>	0.19%	10%	100%	98%	100%	88%	6%	100%	100%	24%	68%	100%	100%
<i>APOC3</i>	0.19%	70%	100%	99%	100%	99%	20%	100%	100%	21%	13%	26%	16%