

**Supplementary Table 1 References for FDA-approved medications supported by GWAS variants**

<b>Disease</b>	<b>Lead GWAS SNP</b>	<b>Genetic locus</b>	<b>FDA-approved medication Drug class</b>	<b>PubMed ID</b>
Psoriasis	rs9988642	<i>IL12R- IL23R</i>	Ustekinumab Biologic	PMID: <a href="#">23143594</a>
Hyperlipidemia	rs12916	<i>HMGCR</i>	Many Statin	PMID: <a href="#">20686565</a>
Hyperlipidemia	rs2479409	<i>PCSK9</i>	Alirocumab Biologic	PMID: <a href="#">20686565</a>
Type 2 diabetes	rs1801282	<i>PPARG</i>	Many Thiazolidinediones	PMID: <a href="#">17463248</a>
Type 2 diabetes	rs5219	<i>KCNJ11</i>	Many Sulfonylurea	PMID: <a href="#">17463248</a>
Osteoporosis	rs9533090	<i>TNFSF11 (RANKL)</i>	Denosumab Biologic	PMID: <a href="#">22504420</a>
Osteoporosis	rs7751941	<i>ESR1</i>	Many Selective estrogen receptor modulator	PMID: <a href="#">22504420</a>
Schizophrenia	rs2514218	<i>DRD2</i>	Many Antipsychotic	PMID: <a href="#">25056061</a>
Rheumatoid arthritis	rs2228145	<i>IL6R</i>	Tocilizumab Biologic	PMID: <a href="#">24390342</a>
Rheumatoid arthritis	rs3087243	<i>CTLA4</i>	Abatacept Biologic	PMID: <a href="#">24390342</a>