

Polygenic Risk Scores for SSNS, SRNS

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2024-05-01 — NS U01 working group

Overview

- ▶ Visualized histograms of individual scores
 - ▶ Clearly shows overlap for SSNS vs SRNS
- ▶ Calculated ORs for score quartiles
- ▶ Combined Bristol and CureGN results
 - ▶ Justified since they were consistent
 - ▶ This analysis doesn't use PCs or anything else complicated

Testing setups

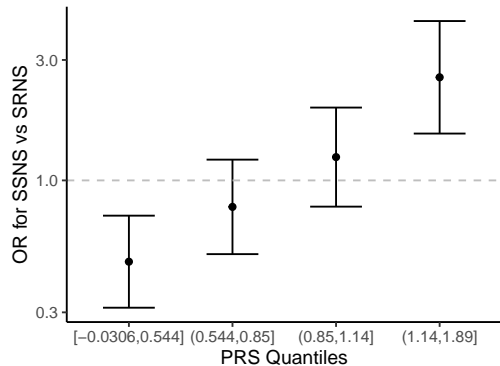
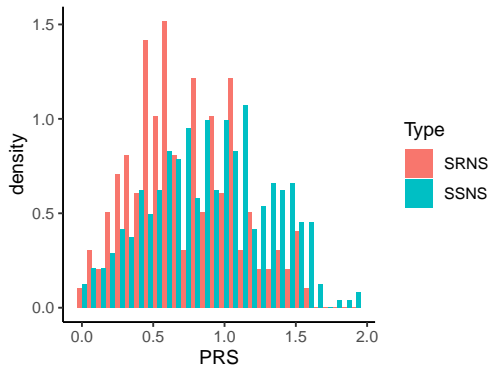
Name	Base	Train	Test
SC-DDB	D SC (532/3553)	D SR (193/193)	B SR (365/149)
SC-DDC	D SC (532/3553)	D SR (193/193)	C SR (250/170)

SC=SSNS-Ctrl; SR=SSNS-SRNS

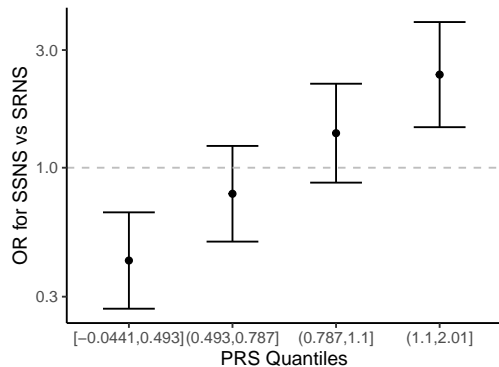
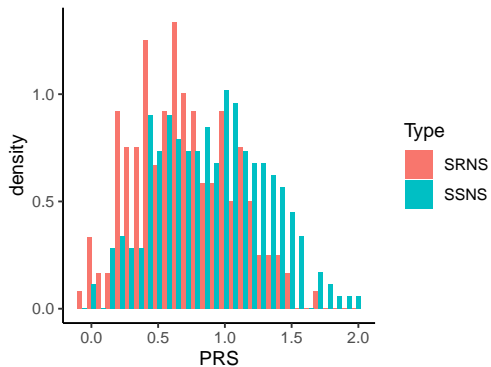
D=Discovery; B=Bristol; C=CureGN, based on these rules:

- ▶ SSNS: MCD and age ≤ 21
- ▶ SRNS: FSGS and age ≤ 21

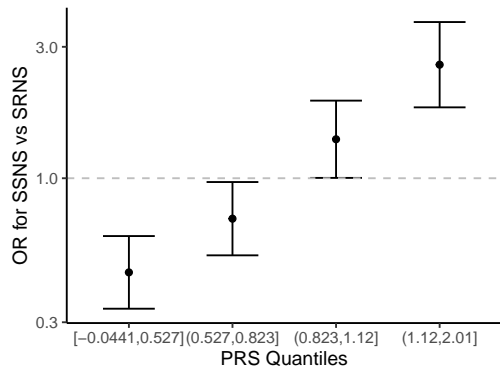
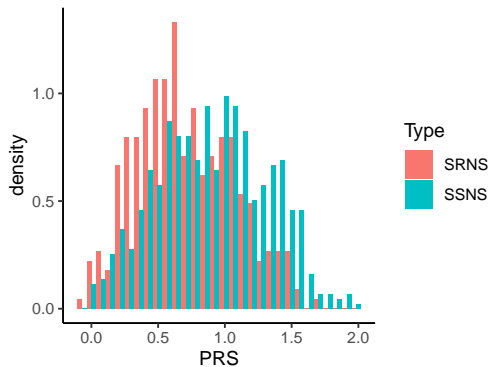
ldpred2-grid: Bristol



ldpred2-grid: CureGN



ldpred2-grid: combined Bristol and CureGN



Clump + Threshold: combined Bristol and CureGN (not as good)

