	Tier 1 & 2		Tier 1 only	
Gene	Aggressive	Non- aggressive	Aggressive	Non-aggressive
ACVRL1	0	3	0	0
AXL	10	1	0	0
CHRNG	3	6	1	0
CP	0	5	0	0
DHRS2	3	12	0	0
LUM	5	0	0	0
MTOR	1	8	0	0
PARK2	0	6	0	0
RYR1	10	14	3	3
WISP2	0	1	0	0

Supplementary Table 5 – Burden of mutations between metastatic and non-aggressive cohorts for genes with BF ≥100 in the Bayesian Risk Index analysis of Hallmark Gene Sets. Counts of Tier 1 variants, or Tier 1 and 2 variants combined, stratified by aggressiveness status. The majority of rare disruptive variants within the genes identified through this analysis were non-protein truncating, and were enriched in the non-aggressive cohort, implying a protective effect against the likelihood of developing metastatic PrCa.