

Supplementary Table 6: Age-adjusted gene set enrichment analysis showing the top ten gene sets upregulated and downregulated in prostate tumor tissue of ever (n=30) versus never (n=199) statin users, ordered by the normalized enrichment score.

KEGG pathway	Size	ES	NES	p-value	FDR
Upregulated					
Lysine_degradation	44	0.53	1.77	0.004	0.718
Huntingtons_disease	175	0.44	1.56	0.063	1
Citrate_cycle_TCA_cycle	30	0.54	1.55	0.059	1
Alzheimers_disease	160	0.41	1.51	0.069	1
Glutathione_metabolism	50	0.41	1.49	0.054	1
Pyruvate_metabolism	40	0.43	1.48	0.050	0.987
Parkinsons_disease	121	0.45	1.44	0.127	1
Riboflavin_metabolism	16	0.50	1.43	0.081	1
Nucleotide_excision_repair	44	0.44	1.42	0.083	0.918
Ubiquitin_mediated_proteolysis	132	0.41	1.41	0.128	0.877
Downregulated					
Drug_metabolism_other_enzymes	42	-0.47	-1.61	0.016	1
Nitrogen_metabolism	23	-0.50	-1.56	0.035	1
Proximal_tubule_bicarbonate_reclamation	23	-0.47	-1.52	0.031	0.960
Primary_immunodeficiency	35	-0.50	-1.44	0.100	1
ABC_transporters	44	-0.41	-1.39	0.082	1
Glycosphingolipid_biosynthesis_lacto_neolacto_series	26	-0.44	-1.38	0.104	1
Neuroactive_ligand_receptor_interaction	271	-0.38	-1.37	0.158	1
Steroid_hormone_synthesis	46	-0.40	-1.34	0.135	1
Phenylalanine_metabolism	17	-0.44	-1.32	0.137	0.988
Lineoleic_acid_metabolism	28	-0.43	-1.30	0.171	1

Abbreviations: ES=enrichment score; NES=normalized enrichment score; FDR=false discovery rate