

Supplementary Table S1. Search strategy

Database	Query	Results
MEDLINE	Prostate Cancer[MeSH Major Topic]	100,480
	(Racemase[MeSH Major Topic]) OR (Epimerase[MeSH Major Topic])	1,646
	((Biomarkers[MeSH Major Topic]) AND (Novel Biomarkers) AND (Diagnostic Marker) AND (Diagnostic Utility) AND (Diagnostic))	1,938,778
	#1 AND #2 AND #3	103
ScienceDirect	“Prostate Cancer” OR “Prostatic Neoplasm” OR “Prostatic Cancer”	134,702
	"racemases and epimerases" OR "racemase" OR "epimerase" OR "alpha-methylacyl-coa-racemase"	2,725
	"biomarkers" OR "diagnosis"	1,000,000+
	#1 AND #2 AND #3	788
ProQuest	abstract(Prostate Cancer) OR title(Prostate Cancer) OR abstract(prostatic neoplasms) OR title(Prostatic Neoplasm) OR title(Prostatic Cancer) OR abstract(Prostatic Cancer) OR abstract(Prostate Cancer) OR title(Prostate Cancer)	72,020
	abstract(Racemases AND Epimerases) OR title(Racemases AND Epimerases) OR abstract(Racemase) OR title(Racemase) OR titleEpimerase) OR abstractEpimerase) OR abstract(Alpha-methylacyl-CoA racemase) OR title(Alpha-methylacyl-CoA racemase) OR abstract(AMACR) OR title(AMACR)	1,232
	abstract(biomarker) OR title(biomarker) OR abstract(marker, biological) OR title(marker, biological) OR abstract(diagnosis) OR title(diagnosis) OR abstract(diagnoses) OR title(diagnoses) OR abstract(diagnostic) OR title(diagnostic)	988,400
	#1 AND #2 AND #3	68
Google Scholar	Allintitle: Prostate Cancer “AMACR”	87
Cochrane Library	Prostatic Neoplasms [MeSH]	7,669
	(“Racemase and Epimerase [MeSH]” OR “AMACR” OR “Alpha-methylacyl-CoA racemase”)	18
	(“Biomarker [MeSH]” OR “Diagnosis [MeSH]” OR “Diagnostic Marker” OR “Novel Biomarker” OR “Diagnostic Utility”)	462,248
	#1 AND #2 AND #3	3