Appendix 4. Search string:

Search string	Database	Number hits	Number of citations
			downloaded
(("Artificial	Google Scholar	16,200	First 100, sorted by
intelligence" OR			relevance.
"Deep learning" OR			
"machine learning"			
OR "natural language			
processing" OR			
"Neural network*"			
OR "supervised			
learning" OR			
"unsupervised			
learning" OR			
"ensemble learning"			
OR "reinforcement			
learning") AND			
("detect*" OR			
"predict*" OR			
"diagnose*" OR			
"prognose*") AND			
("Prostate cancer" OR			
"Acinar			
adenocarcinoma" OR			
"adenocarcinoma of			
prostate" OR "Ductal			
adenocarcinoma" OR			
"Transitional cell			
cancer" OR			
"urothelial cancer"			
OR "Squamous cell			
cancer" OR "Small			
cell prostate cancer"))			
(("Artificial	PubMed	398	All
intelligence" OR			
"Deep learning" OR			
"machine learning"			
OR "natural language			
processing" OR			
"Neural network*"			
OR "supervised			
learning" OR			
"unsupervised			
learning" OR			
"ensemble learning"			

OR "reinforcement			
learning") AND			
("detect*" OR			
"predict*" OR			
"diagnose*" OR			
"prognose*") AND			
("Prostate cancer" OR			
"Acinar			
adenocarcinoma" OR			
"adenocarcinoma of			
prostate" OR "Ductal			
adenocarcinoma" OR			
"Transitional cell			
cancer" OR			
"urothelial cancer"			
OR "Squamous cell			
cancer" OR "Small			
cell prostate cancer"))			
(("Artificial	Embase	815	All
intelligence" OR	Emease	012	1 111
"Deep learning" OR			
"machine learning"			
OR "natural language			
processing" OR			
"Neural network*"			
OR "supervised			
learning" OR			
"unsupervised			
learning" OR			
"ensemble learning"			
OR "reinforcement			
learning") AND			
("detect*" OR			
"predict*" OR			
"diagnose*" OR			
"prognose*") AND			
("Prostate cancer" OR			
"Acinar			
adenocarcinoma" OR			
"adenocarcinoma of			
prostate" OR "Ductal			
adenocarcinoma" OR			
"Transitional cell			
cancer" OR			
"urothelial cancer"			
OR "Squamous cell			

cancer" OR "Small			
cell prostate cancer"))			
(("Artificial	Medline	172	All
intelligence" OR			
"Deep learning" OR			
"machine learning"			
OR "natural language			
processing" OR			
"Neural network*"			
OR "supervised			
learning" OR			
"unsupervised			
learning" OR			
"ensemble learning"			
OR "reinforcement			
learning") AND			
("detect*" OR			
"predict*" OR			
"diagnose*" OR			
"prognose*") AND			
("Prostate cancer" OR			
"Acinar			
adenocarcinoma" OR			
"adenocarcinoma of			
prostate" OR "Ductal			
adenocarcinoma" OR			
"Transitional cell			
cancer" OR			
"urothelial cancer"			
OR "Squamous cell			
cancer" OR "Small			
cell prostate cancer"))			