

Table S4. Shared antigens with increased signals among 6-month responders. Antigens with significant signal increase were identified by serial sample PIWAS analysis between responder samples at baseline and week 12 for each subject. Eighteen antigens were shared by at least two 6-month responders.

Protein name	Gene symbol	Membrane/ secreted	Tissue expression	Shared by	ARM
Protein unc-13 homolog B	UNC13B	Intracellular	Expressed_w_low_specificity	R154-03-025, R154-03-019, (R154-01-002)	2
Lysine-specific histone demethylase 1A	KDM1A	Intracellular	Expressed_w_low_specificity	R154-03-019, R154-01-017	2
F-box only protein 21	FBXO21	Intracellular	Expressed_in_prostate_elevated_in_other	R154-01-003, R154-03-019, (R154-01-010)	1,2
Elongator complex protein 1	ELP1	Intracellular	Expressed_w_low_specificity	R154-01-003, R154-03-021	1
von Willebrand factor	VWF	Secreted_only	Expressed_in_prostate_elevated_in_other	R154-03-029, R154-01-017	1,2
Filaggrin	FLG	Intracellular	Not_expressed_in_prostate	R154-03-025, R154-03-019	2
Neurofibromin	NF1	Membrane_only	Expressed_w_low_specificity	R154-03-025, R154-03-012, (R154-01-037)	1,2
Coiled-coil domain-containing protein 15	CCDC15	Intracellular	Expressed_in_prostate_elevated_in_other	R154-03-025, R154-03-029	1,2
Laminin subunit gamma-2	LAMC2	Secreted_only	Expressed_w_low_specificity	R154-03-029, R154-03-022	1
Rho GTPase-activating protein 21	ARHGAP21	Intracellular	Expressed_in_prostate_elevated_in_other	R154-01-003, R154-01-017	1,2

Phosphoinositide 3-kinase regulatory subunit 6	PIK3R6	Intracellular	Expressed_in_prostate_elevated_in_other	R154-01-003, R154-01-017, (R154-01-034)	1,2
Exonuclease mut-7 homolog	EXD3	Intracellular	Expressed_w_low_specificity	R154-01-003, R154-03-019	1,2
Phosphatidate phosphatase LPIN2	LPIN2	Intracellular	Expressed_in_prostate_elevated_in_other	R154-01-003, R154-03-022	1
Gamma-tubulin complex component 3	TUBGCP3	Intracellular	Expressed_w_low_specificity	R154-01-003, R154-03-019	1,2
ATP-binding cassette sub-family C member 11	ABCC11	Membrane_only	Expressed_in_prostate_elevated_in_other	R154-01-003, R154-03-021	1
E3 ubiquitin-protein ligase TRIM56	TRIM56	Intracellular	Expressed_w_low_specificity	R154-01-003, R154-03-029	1
Disrupted in schizophrenia 1 protein	DISC1	Intracellular	Expressed_w_low_specificity	R154-01-003, R154-03-019	1,2
Serine/threonine-protein kinase SIK3	SIK3	Membrane_only	Expressed_w_low_specificity	R154-03-025, R154-03-022	1,2