

Supplemental Table 2. Analysis of binding W10 peptide phages.
A) PSI-Blast search on *Homo Sapiens* RefSeq protein database

name	sequences	homology	Score	aa overlap	% Identity	% Similarity (% Gaps)	Protein	Accession number
W10-R3-18	DWLWSFAPNVD	523 WLWSFQP	25.2	7	86	86 (0)	Plexin-B1 precursor	NP_002664.2
W10-R2-1	YEFDNLLNRTLW	215 DFQHLLNRTL	25.7	10	70	80 (0)	disintegrin and metalloproteinase domain-containing protein 15 isoform 9 preprotein (and other isoforms)	NP_001248395.1
W10-R2-21	GWYWETPLDMFN	121 ETPLDM	24.0	6	100	100 (0)	palmitoyltransferase ZDHHC13 isoform 1 (also isoform 2)	NP_001001483.1
W10-R2-11	GWVIDYDYYP	803 GWVIYKDYQYY	28.2	11	73	73 (18)	Macrophage mannose receptor 1 precursor	NP_002429.1

B) Homology of binding W10 peptides.

protein	start	sequence	end
W10-R2-11	1	GWVIDYDYYP	12
W10-R2-21	1	GWYWETPLDMFN	12
W10-R3-18	1	DWLWSFAPNVD	12
WNT5A-like	87	DWLWY	90
Plexin B3	538	WLWS	542
Plexin B1	523	WLWSFQP	529
Semaphorin 3C	19	SFNPVN	26

protein	start	sequence	end
W10-R2-1	1	YEFDNLLNRTLW	12
Plexin B2	1320	YQF NLLN	1327
Plexin B2	190	LLDRT	194
Plexin B2	245	NRTL	248