

**Table S1 All dipeptides screened from scallop (*Patinopecten yessoensis*) male gonad hydrolysates by *in silico* approach**

Dipeptides	Molecular weight	Iso-electric point	Net charge at pH 7
WK	332.40	10.01	1
MR	305.40	10.59	1
QR	302.33	10.55	1
FK	293.37	9.88	1
IR	287.36	10.85	1
LR	287.36	10.84	1
MK	277.38	9.88	1
TR	275.31	10.53	1
VR	273.34	10.81	1
SR	261.28	10.57	1
NK	260.29	9.7	1
LK	259.35	10.12	1
CK	249.33	9.13	0.9
TK	247.29	9.82	1
VK	245.32	10.1	1
SK	233.27	9.86	1
GR	231.25	10.84	1
AK	217.27	10.19	1
GK	203.24	10.12	1