

Supplementary Figure 1

a.

Score	Expect	Method	Identities	Positives	Gaps
670 bits(1729)	0.0	Compositional matrix adjust.	391/416(94%)	405/416(97%)	2/416(0%)
Query 1		MSEQSICQARASVMVYDDTSSKKWVPIKPGQQGFSRINIYHNTASNTFRVVGVKLQDQQVV			60
Sbjct 1		MSEQSICQARASVMVYDDTSSKKWVPIKPGQQGFSRINIYHNTAS+TFRVVGVKLQDQQVV			60
Query 61		INYSIVKGLKYNQATPTFHQWRDARQVYGLNFASKEEATTFSNAMLFALNIMNSQEGGGS			120
Sbjct 61		INYSIVKGLKYNQATPTFHQWRDARQVYGLNFASKEEATTFSNAMLFALNIMNSQEGGGS			120
Query 121		SQRQVQNGPSPDEMDIQRQVMEQHQQQRQESLERRTSATGPILPPGHPSSAASAPVSCS			180
Sbjct 121		+QRQVQNGPSP+EMDIQRQVMEQ Q RQESLERR SATGPILPPGHPSSAAS +SCS			178
Query 181		GPPPPPPPPVPPPPPTGATPPPPPPPLPAGGAQGGSSHDESSMSGLAAAAGAKLRRVQRPED			240
Sbjct 179		GPPPPPPPPVPPPPPTG+TPPPPPPLPAGGAQGG++HDESS SGLAAA+AGAKLRRVQRPED			238
Query 241		ASGGSSPSGTSKSDANRASSGGGGGGLMEEMNKLLAKRRKAASQSDKPAEKKEDESQMED			300
Sbjct 239		ASGGSSPSGTSKSDANRASSGGGGGGLMEEMNKLLAKRRKAASQ+DKPA++KEDESQ ED			298
Query 301		PSTSPSPGTRAASQPPNSSEAGRKPWERSNSVEKPVSSILSRTPSVAKSPEAKSPLQSQP			360
Sbjct 299		PSTSPSPGTRA SQPPNSSEAGRKPWERSNSVEKPVSS+LSRTPSVAKSPEAKSPLQSQP			358
Query 361		HSRMKPAGSVNDMALDAFDLDRMKQEILEEVVRELHKVKEEIIDAIRQELSGISTT			416
Sbjct 359		HSRVKPAAGSVNDVGLDALDLDRMKQEILEEVVRELHKVKEEIIDAIRQELSGISTT			414

