

Fig. 1

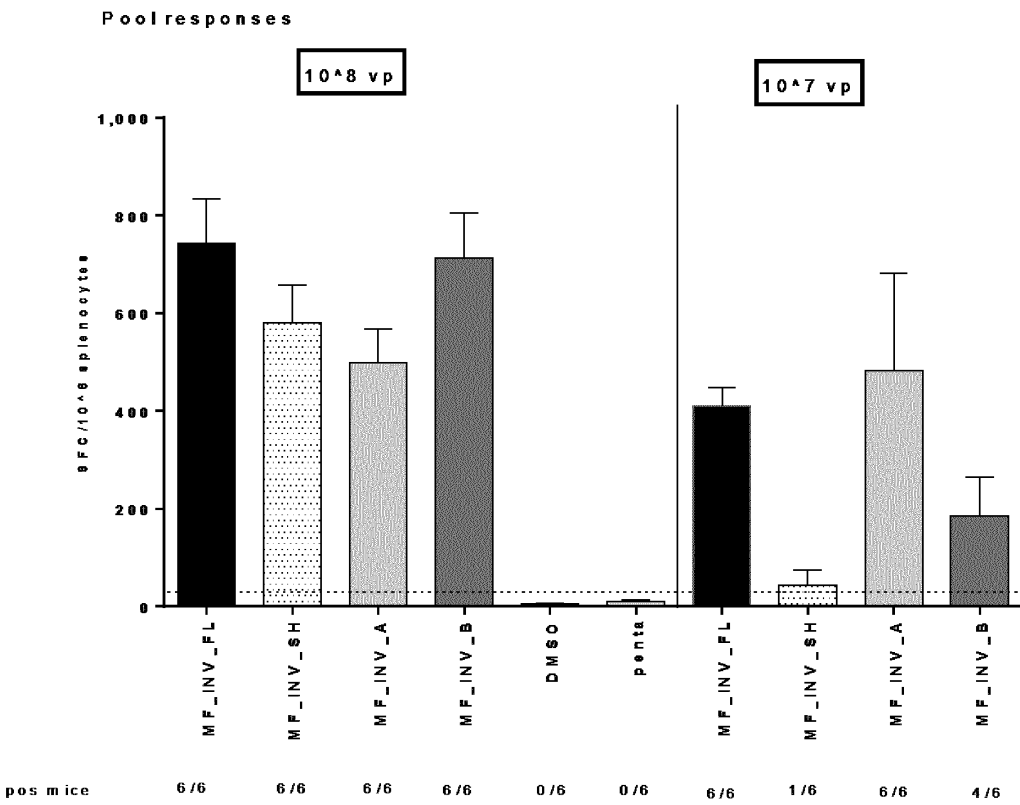


Fig. 2

	TMD
Monopterus_albus	MADSQEDAPLARGSVAGSEELVLPVAPRGGSNSPALKIAGLTTLACLLLASQVFTAYMVF
Oryzias_latipes	MANTAEDASLAAEDVSGSEENLIHRVVHRGGSNSPALKIAGLTTLACLLLASQVFTAYMVF
Oreochromis_niloticus	MAHSQDDAPLARGSLADSEELLPPAAPRGGSNSPALKIAGLTTLACLLVASQVFTAYTVF
Lates_calcarifer	MAHNPEDAPLARGSLAGSEEDLVVPAGPRGGSNSPALKVAALTTLACLLSSQVFTAYMVF
Siniperca_chuatsi	MADSAEDAPMARGSLAGSDEALILPAGPTGGSNSPALKVAGLTTLTCLLLASQVFTAYMVF
Dicentrarchus_labrax	MAHS EDAPLATGSLAGSEELVLSGRPTGGSNSPALKIAGLTTLACLLLASQVFTAYMVF
	MPD
Monopterus_albus	DQKQQIHTLQKNSERMSRQMTRTSQAVAPVKMHLPMNSLPMLMDYTSNEDPKETKTPLTKL
Oryzias_latipes	NQKQQIHTLQKSSERMGMKQLTRASQAVAPARMAMPMNSLPLVSDSED-----AKTPLTKL
Oreochromis_niloticus	SQKQQIHTLQKNSDRMNKQLTRSSHAVAPVRMAMPMNSLPLMLDFTED--STAPKTPLTKL
Lates_calcarifer	SQKQQIHTLQKNSERLGMTRSSQAVAPVRMQMPMSSLPLMLDFTTDEDTKTSKTPPLTKL
Siniperca_chuatsi	GQKEQIHTLQKNSERMSKQLTRSSQAVAPMKMHMPMNSLPLMLDFTPNE-D--SKTPLTKL
Dicentrarchus_labrax	GQKEQIHTLQKNSERMTKQLTRSSQAVAPVRMHMPMSSLPLMLDFTDED-SKATKTPLTKL
	. *****
Monopterus_albus	QDTAVVSVEDQLKELIQDAQLPEFNETFMDNMQRLLKQLTNDSEWKSFETWMRYWLIFKMSQ
Oryzias_latipes	QNTAVVSVEKQLMDLMQDFSLPKFNETFQANLETLRQQVNESEWQTFETWMRYWLIFQMAQ
Oreochromis_niloticus	QDTAIVSVEKQLMDLMQDSELPQFNETFLANLQTLQHMNDSEWKSFETWMRYWLIFKMAQ
Lates_calcarifer	QDTAIVSVEKQLKDLLQDALPQFNETFQANLQSLKQQINESEWKSFESWMRYWLIFQMAQ
Siniperca_chuatsi	QDTAVVSVEKQLKDLMDQSQLPQFNETFLANLQGLKQQMNESEWKSFESWMRYWLIFQMAQ
Dicentrarchus_labrax	QDT-VVSVEKQVKDLIQDQSLPQFNETFMANLQSLKQHINESEWQSFSWWMRYWLIFQMAQ
Monopterus_albus	QKPTAPTTEQ---AMTKCQREAKEG---LIGSYKPCDEQGHYMPMQCWHGTGYCWCVDGS
Oryzias_latipes	KQPPAPTQPASMIKTKCLEAAPDTISKIGTYKPCDEQGGYKAMQCWHATGYCWCVDDES
Oreochromis_niloticus	QQPATPTPQSATTIKTKCQVEAGPG-PSKIGSYKPCDEQGRYKPMQCWHATGYCWCVDGE
Lates_calcarifer	QKVPPTSPATKIMTKCQLEAAPG-AGKIGSYKPCDEQGRYKPMQCWYPTGFCWCVDQT
Siniperca_chuatsi	QKVPPTADPASLIKTKCMESAPG-VSKIGSYKPCDEQGRYKPMQCWHATGFCWCVDDET
Dicentrarchus_labrax	KTPVPPTADPASLIKTKCMEEAPG-PSKIGSYKPCDEQGRYKPMQCWHATGYCWCVDDET
Monopterus_albus	GTPIPGTMGRPQCPRAT-ASRHAMRSPFLMQRTVGIDDEK--
Oryzias_latipes	GNPIEGTTMRGRPDCRRGL-APYRMMVQPRLMQRTFLDDEKKDK
Oreochromis_niloticus	GHPIEGTTMRGRPDCQRAA-FPRRMMVAPRLMQKTYDMDDEKQK
Lates_calcarifer	GKVIEGTSMRGRPDCQRG--VPRRMMFAPRLMQKTLAVDDE---
Siniperca_chuatsi	GAVIEGTTMRGRPDCQRRALAPRRMAFAPSLMQKTISIDDQ---
Dicentrarchus_labrax	GTAIEGTTMRGRPDCQGRS-MPRRVMLAPRLMQKTLSPDDQ---

Fig. 3

