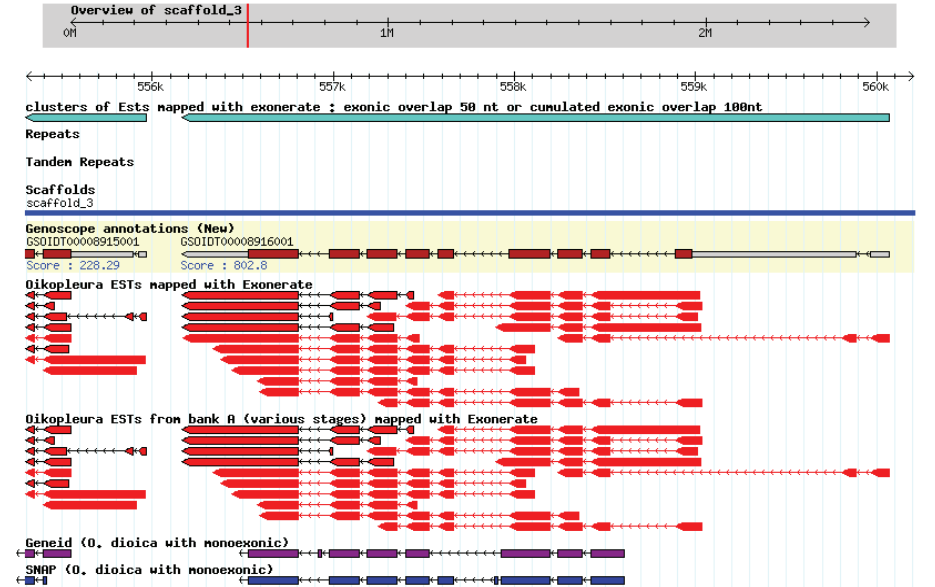


A



B



C

Homo_sapiens_NUMB	1	-----MNKLRSERFRK-----DYYVPEASRPHQWQT--	27
Homo_sapiens_NUMBL	1	-----MSRSAASGGPRRPERHLPAPCGAPGPETCRTEPDGAGTMNKLRSRRLRRK-----PAYVPEASRPHQWQA--	68
Oikopleura_dioica_NUMB	1	-----MSLLHDDRQDGHSHHNASFSRSGLLKSIRKSRFRKSKPPALADAKRVEWLD--	55
Oikopleura_dioica_NUMB-Like	1	MKKFRLSFRKKEKKEYINEIEDNEENENDGLSRAKNRTISSAMPAAQNFRVRTIRNSFRKSKKHDLTOKDFETDQENELDNQV	83
Homo_sapiens_NUMB	28	-----DEEGVRTGKCSFPVKYLGHVEVDESQGMHICEDAVKRLKAERKFFKGFFGKTGKKAVKAVLWVSADGLR	96
Homo_sapiens_NUMBL	69	-----DEDAVRKGTCSFPVRYLGHVEVESRGMHVCEDAVKLLKAM-----GRKS VKSVLWVSADGLR	126
Oikopleura_dioica_NUMB	56	-----DERKVNDDTCEFRVKYLGAEVAEPRGIIHCEEA VKRKLRR-----QRNKPRAVLVI SPDAVR	114
Oikopleura_dioica_NUMB-Like	84	PRDPKQTIKSDANNEFNKSGIANYCKFLGKKEVGGKSGISYTEALTYKKAIR-----AKKKPRV I IQVSPEVIR	156
Homo_sapiens_NUMB	97	VVDEKTKDLIVDGTIEKVSFCAPDRNDFRAFSYICRDGTTRRWIHCFLMAVKDT-GERLSHAVGCFAACLERKQKREKECGV	178
Homo_sapiens_NUMBL	127	VVDDKTKDLLVDGTIEKVSFCAPDRNLDKAFSYICRDGTTRRWIHCFLALKDS-GERLSHAVGCFAACLERKQKREKECGV	208
Oikopleura_dioica_NUMB	115	LVKESKQLILDQSEIKISFCAPDSITYEAASFYICRDGTIKRWGYSFSSITKE-GERLSNAFSGAFKAGFEKK-----	188
Oikopleura_dioica_NUMB-Like	157	VMSANDQSLLFQGAVDKISFCARSNTHQDAFSYIARDGTSQAIMGYCESAKNBITGASLSKVFGVAFKACLDNRNRLHKEAGK	239
Homo_sapiens_NUMB	179	T-----ATFDASRTTETREGSFRVTTATEQAEREEIMKQMQDAKKAETDKIVVGSSVAPGNTAPSPS--SPTSPTS DATTSLE	255
Homo_sapiens_NUMBL	209	T-----AAFADASRTSEAREGSFRLSGGGRPAEREAPDKKKAEEAAAPT---VAPGPAQPGHVSRTPTATSPGKEGEGATPVAA	284
Oikopleura_dioica_NUMB	189	-----SLQEAENKIREETSFMSEQPIITKTKTTPS-----VKTPRSDPGYCEPPKS---DDRESSKEEPPKIN	248
Oikopleura_dioica_NUMB-Like	240	APVDVEVTDLPQGGETROGTERHRKPKKQEQEVTES-----LIQIDTVEASSLSNG-TSFNSTPMTSPDSQPS	307
Homo_sapiens_NUMB	256	GNPHATPRRHAFIEOLARQGSFRGFPALSQKMSPFKRQLSLRINELPSTMORKTDFPIKNAVPEVE---GEAESISSLCSQI	334
Homo_sapiens_NUMBL	285	TTAAAI PRRHAPLEOLVROGSFRGFPALSQKNSPFKRQLSLRLNELPSTLQRRDFQVKGTVPMEPPGAGSDSINALCTQI	367
Oikopleura_dioica_NUMB	249	FEIKSLRPQCAP-EEIKRQPSFKLVPVNAKN---AFKTSLSREDKLQINIEKFRGHQVLNPVPEIESESRRKPVQAQVQFRRN	327
Oikopleura_dioica_NUMB-Like	308	VSNDLIRARPAASADLVROASLRIPLNKNSQAQPFKKSVMAYSNPNKPTTEAAKNWT-----DQLEAIKRLNIEV	379
Homo_sapiens_NUMB	335	TNAFSTPEDFFSSAPMTKPVTIVVAPQSPFTQANGTDSAFHVLAKPAHTALAPVAMPVRETNPWAHAPDAANKEI AATCSGTE	417
Homo_sapiens_NUMBL	368	SSSFASAGAP-----APGPP-----PATGTGSA	391
Oikopleura_dioica_NUMB	328	YNSQS IQVMR-----TSSKPT	344
Oikopleura_dioica_NUMB-Like	380	HNAKP VHDGP-----	389
Homo_sapiens_NUMB	418	GQSSGAASPGLFQAGHRRTPEADRWLEEVSKSVRAQQPQASAAPLQPVLPQPPPTAISQPASPFQGN AFLTSQPVPG---V	497
Homo_sapiens_NUMBL	392	GEPS-VPPAAAFQPGHKRTPSEAEWLVEVSQVAKAQQQQQQQQQQQQQQQQQAASVAPVPTMP-PALQPFAPVPGFD	472
Oikopleura_dioica_NUMB	345	QP I REDDPWSSVEEDKPKFFESAFATAPMPPAHEEPVADDTRSQTASTAGDRWIESISREVIPL LKTGESGSSVGI STPRLS	427
Oikopleura_dioica_NUMB-Like	390	-----AWEPADPFNELANRHTPKSPPIAIPSRAPQAPKQPFQGGISGVPARSLNSSNSS-----	443
Homo_sapiens_NUMB	498	VPALQAPAFVP-----AQSYPVANGMPYF-APNVPVVGITPSQMVANVFGTAGHPQAAHPHQSPLVRQQTFFPHYEASSATTSP	574
Homo_sapiens_NUMBL	473	APAQVAVFLPPPHMQPPFVPAAYPLGYPPMPRPVVGITPSQMVANAFCSAAQLQ---PQATLLKGAGAFPPPAIPSA PGS-	551
Oikopleura_dioica_NUMB	428	QRGKTPPVIPARVGFNRFNPSYSSQRMFSSHSAPTGSGFTRSYSVR-----YTGSAGVSS TSS-	484
Oikopleura_dioica_NUMB-Like	444	-----PFAMDAPKSLYGNQFRQIM-----	464
Homo_sapiens_NUMB	575	FFKPPAQHLNGSAAFNGVDDGRLASADRHTVEPTGTCPVDPFEAQWAALENKSKQRTNPSPTNPFSSDLQKTFEIEL	651
Homo_sapiens_NUMBL	552	-----QARPRNGAPWP-----PEPAPAPAPELDPEAQWAALEGKATVEK---PSNPFSGDLQKTFEIEL	609
Oikopleura_dioica_NUMB	485	-----SPNPFQDAPFPDFSSQWEALGQKQAAS TLQSS TNEAKKSGPPFLS I--	530
Oikopleura_dioica_NUMB-Like		-----	

D

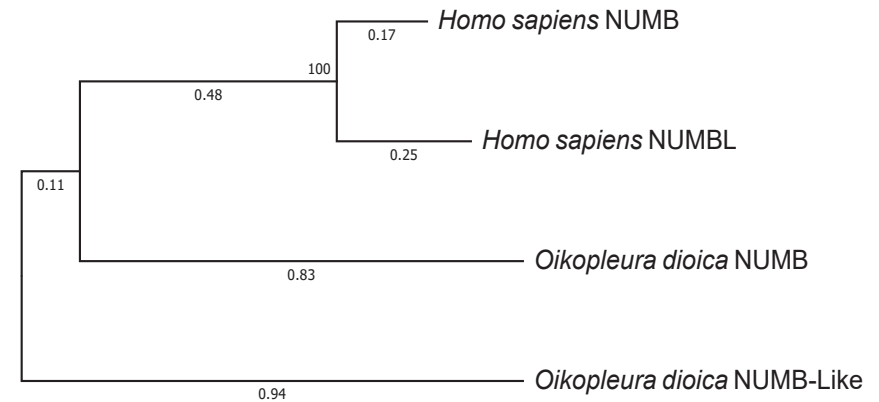


Figure S5