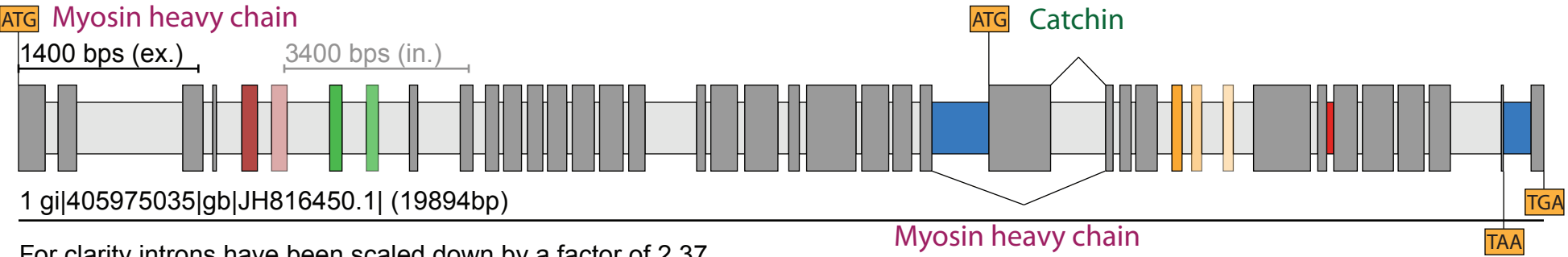
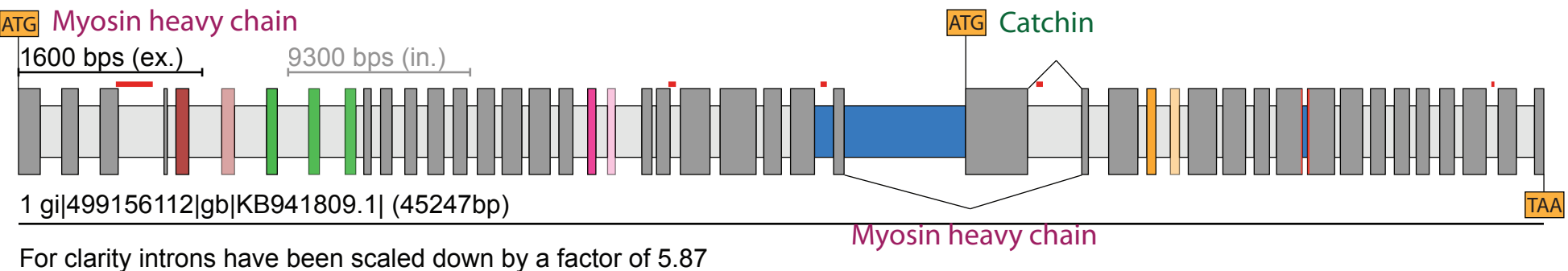


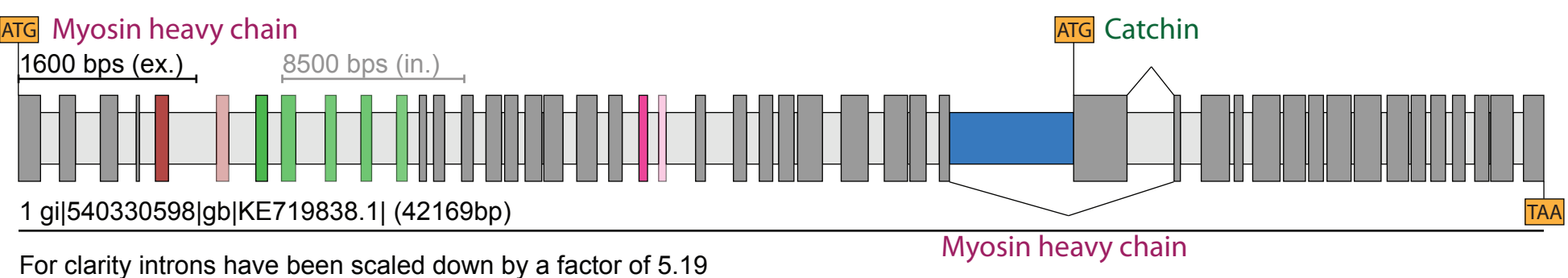
Crassostrea gigas Mhc2



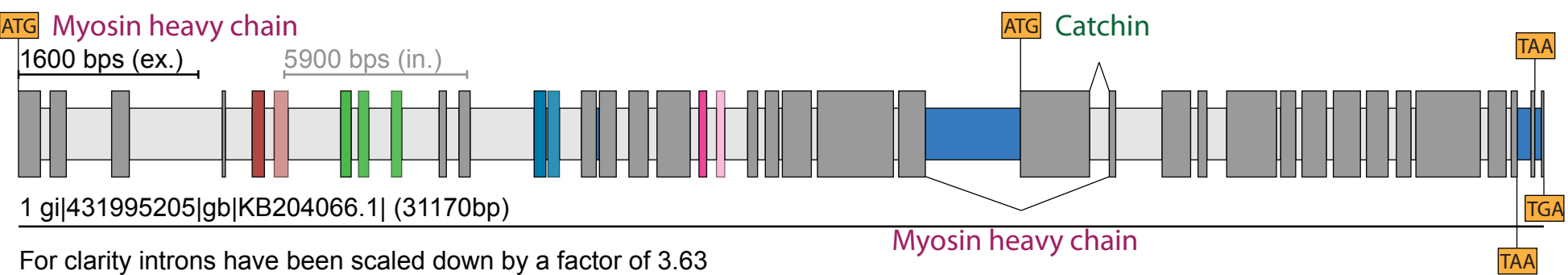
Aplysia californica



Biomphalaria glabrata



Lottia gigantea Mhc6



	10	20	30	40	50	60
						
LgMhc6b	MATNGETTAPDSSDVKEESNDNTSSPQVVKS	SAVESVQPQEEIRDIPPPVQATPAPMESSE				
CagMhc2b	-----	-----	-----	-----	MADQQPLKMTATVDVHE	
AiCatchin	-----	-----	-----	-----	-----	MSD
ApcMhc1b	-----	-----	-----	MASTEEEVPIAEAPAPSSSETVEVVQEQI		
BigMhc1b	-----	-----	-----	MASTEDEVPLVEVSAPRS--DEVIIEAI		
MygMhc1b	-----	-----	MSDTKITVTSTISTEEKP----	VVVKEE		
LgMhc8	-----	-----	-----	-----	-----	-----

	70	80	90	100	110	120
						
LgMhc6b	ADTTKDQIVIKRSVESQPPAAPVSVPPKVTPAIKRPEEP	EPETRPRTKKPSSTTSSSASR				
CagMhc2b	TSKAEVSTPAPTAAVTAVRSTVKANATKNEPQKIKEAAAQPTPTKKSSI	TTSSSSTTS				
AiCatchin	GEQLKVEFSSSVVETSKDESPQPPPLDTPSPQAASVIEVKSQVKATSNPAPKSEIAPAET					
ApcMhc1b	TV-KRSEPAPEPPKPVVRVEEDFVETRPRNPAPAPAPAKSSSSSSNSKKQSSSSSSSKVK					
BigMhc1b	IVTKKTEP-KKPSASPVPRDENLEETRPRQ-----	SSSKQASSSSSSSKHK				
MygMhc1b	SATVER--IPTP-----DIISE----	PPAPVAAKVTTVTEKSTSKASSSQLSPKM				
LgMhc8	-----	-----	-----	-----	-----	-----

	130	140	150	160	170	180
						
LgMhc6b	VVSSSSSSSRART-----SSDYQYGDYLGALSREFRGTSPAVLENIATHPLLYSKAYEP					
CagMhc2b	SGKKTVSTSKKT-----VQYQSDDILGDLTRNYRGTSPAVLEGIAHHHPALFSRAYEP					
AiCatchin	RKTTTTTTTTSSKKSTKSSTSRSSGYSDYLGDISRDYRGVSPAVIESIATHPVLFSRSYQY					
ApcMhc1b	SSSSSSSSSRTKSYHTYSQPREYGDRLGIALSLARDFRGTSPSVIENIATHPLLYSPGYEP					
BigMhc1b	SSSSHKSSTKSYHS--SSQPRDYSDDLGGFSGREFRGMSPSVVENIATHPLLFNKGYPEP					
MygMhc1b	SSSQTTTTRTTKTS--VGRSSDYES--TIGQLTRDYRGTSPAVLEGIAHPILYSKTFDS					
LgMhc8	-----	-----	-----	-----	-----	-----

	190	200	210	220	230	240
						
LgMhc6b	TYGS-KLSARSKKVIRDTAELATSCPLKALLEARIEELEELEELEAERQARAKVEKQRNEL					
CagMhc2b	VNP--RLSAKSKKIIRETSDLAIFSPGLKNLLEARIEELEELEELEAERAARTKVEKQRAEV					
AiCatchin	EPRSTRISARSKRVLREASDLSLTSPGLKGLLEARIEELEELEELEAERNARAKVEKQRAEL					
ApcMhc1b	LRNP-HLSARSKKILRDTSDLGVVAPGLKAMLEARIEELEELEELEAERQSRRAKVEKQRTTEL					
BigMhc1b	LINP-IILSAKSKKVIRDTSDLGVYAPGLKALLEARIEELEELEELEAERQARAKVEKQRTTEL					
MygMhc1b	KIGRQKLSARSKKILRDTSDLAIVAPGLKNLLEARIEELEELEELEAERAARTKVVDKQRAEI					
LgMhc8	-----	-----	MTARALEARVEELEDLETERQAKVKSEKQVRDL			

Catchin

Catchin /Mhc