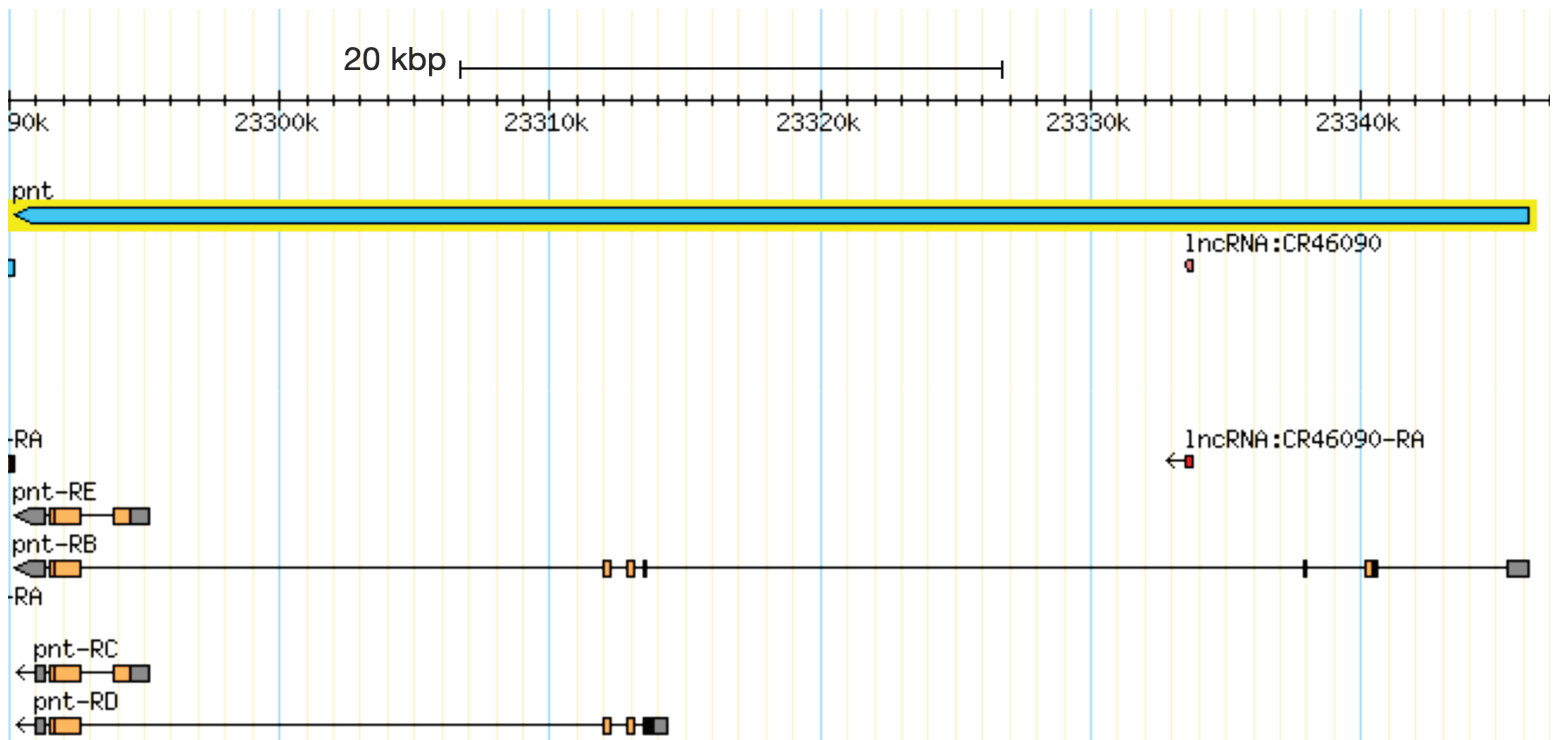


A**B**

P2_Dananassae	MELAICKTDLSATKFMLPPALPASAAIGTTSAAAATVSSHSHSTAAAAQLAFLDKAAH	60
* P2_Dmel	MELAICKTDLSATKFMLPPALPSSAAIGSSSAVAST-----ASHFLDKAAH	46
P2_Dyakuba	MELAICKTDLSATKFMLPPALPTSATIGSTSAVAST-----ASHFLGKATH	46
P2_Dpseudoobscura	MELAICKTDLSATKFMLPPPALPPQATAIATGGPDHSASSVA-----QFSF-HHNLN	51
**P2_Dvirilis	MEVAICKTDLSATKFMLPPALPAAAAIATTTTATA-TTH-SF-----LDR-AVHFN	47
P2_Dmojavensis	MELAICKTDLSATKFMLPPALPAAAAIATTTTATATATH-SF-----LDR-AAQIN	48
P2_Dananassae	ELFNINAINGHLFKPPSHHTNSSNSA-----ANSSSQASTMRLKKNRKVTF	107
* P2_Dmel	ELFQLNAINGHLFKSPASSHLNSVGSP-SILSQLNGIGNSGNHSGQVSTMRLKKNRKVTF	105
P2_Dyakuba	EFIHLNAINGHLFKSPATNHNSLGSPQSILSQLNGIGNSSSHSGQVSTMRLKKNRKVTF	106
P2_Dpseudoobscura	ELFNGFS-H---NTLCH-----NSTFSIHPSVVP SILNSNNTTSMRLKKNRKVTF	98
**P2_Dvirilis	ELLNFA-GQHLFKTSCN-----PSSFLNNS--SSSSNCSSSSSNMRLKKNRKVTF	96
P2_Dmojavensis	ELFNFP-GQHLFKTNN-----SFLNNS--NSSS--NSSSNMRLKKNRKVTF	91
P2_Dananassae	LSSIVESKTIKFIKEEPIHGCKDLPPPICSLSDISDHEASIDVPTALPPLTPGTNRKVNVEV	167
* P2_Dmel	LSSLVESKNIFIKEEPIHGCKD----LCSLSDISDHEASIEVPTALPPLTPGTNRKVNVEV	161
P2_Dyakuba	LSSLVESKNIFIKEEPIHGCKD----LCSLSDISDQEASIEVPTTLPPLTPGTNRKVNVEV	162
P2_Dpseudoobscura	LSSLVESKNIFIKEEPIHGCKDL-----SDISDHEASIDVPTALPPLTPGTNRKVNVEV	151
**P2_Dvirilis	LSSLVESTTKYIKEEPVGCKDLT--VCSLSDISDHEASIDVPTTLPPLTPGTNRKVNVEV	154
P2_Dmojavensis	LSSIVESTTKYIKEEPVGCKDLP--VCSLSDISDHEASIDVPTALPPLTPGTNRKVNVEV	149

C

P3_Dananassae	MTNEWIDWNSRMLPPLRSANYNHHP-----STFLNPNYHSFSSKF	41
* P3_Dmel	MTNEWIDWNSRMLPPLRSANYNYHP-----QTFLPNNYQCF TGKF	41
P3_Dyakuba	MTNEWIDWNSRMLPPLRSANYNHHP-----QTFLPNNYQCF TGKF	41
P3_Dpseudoobscura	MTNEWIDWSDSRMLPPLRSAHYNHSHHHHQTLLQNCNNSSSNNNNNNNNSYHSFSSKF	60
**P3_Dvirilis	MTNEWIDWNSRMLPPLRSANYNTNNNNNSNSNINSNQSNYNNNHQTFLSNYQCLTSKF	60
P3_Dmojavensis	MTNEWIDWNSRMLPPLRSANYNSNSNN-----NNNNYNNNHQTILSNYSQSLTSKF	52
P3_Dananassae	HLKAQKLQQLSTNHHPKLDVPTALPPLTPGTNRKVNVEVLKASFASWEKEVQNCNITKDP	101
* P3_Dmel	HLKGQKLQQLTTNHS-KLKEVPTALPPLTPGTNRKVNVEVLKASFASWEKEVQKCNITKDP	100
P3_Dyakuba	HLKGQKLQQLTTNHS-KLKEVPTTLPPLTPGTNRKVNVEVLKASFASWEKEVQKCNITKDP	100
P3_Dpseudoobscura	HLKAHKLQQLSTNHS-RLKDVPTALPPLTPGTNRKVNVEVLKASFASWEKEVQKYNITKDP	119
**P3_Dvirilis	HLKAHKLQQLHTSNG-RLRDVPTTLPPLTPGTNRKVNVEVLKASFASWEKEVQNCNITKDP	119
P3_Dmojavensis	HLKAHKLQQLHTSNG-KLRDVPTALPPLTPGTNRKVNVEVLKASFASWEKEVQNCNITKDP	111