

Alignment of pbp2X sequence

pbp2x_32098	MPRRNNKLLRYVLKKRYVPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_33329	MPRRNNKLLRYVLKKRYVPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_30190	MPRRNNKLLRYVLKKRYVPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_32494	MPRRNNKLLRYVLKKRYVPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_P1-7	MPRRNNKLLRYVLKKRYVPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_37647	MPRRNNKLLRYVLKKRYIPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_40085	MPRRNNKLLRYVLKKRYIPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_41126	MPRRNNKLLRYVLKKRYIPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_22715	MPRRNNKLLRYVLKKRYVPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_40484	MPRRNNKLLRYVLKKRYVPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS	60
pbp2x_40747	MPRRNNKLLRYVLKKRYVPSKNRRRVGQSLLLLTVFVFFLFLINFAYIIIGTDSKFGVDLS *****:*****	60
pbp2x_32098	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSELKKVLYVQSSQF	120
pbp2x_33329	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSELKKVLYVQSSQF	120
pbp2x_30190	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSELKKVLYVQSSQF	120
pbp2x_32494	ERADAVHQREVIVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSELKKVLYVQSSQF	120
pbp2x_P1-7	ERADAVHQREVIVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSELKKVLYVQSSQF	120
pbp2x_37647	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSELKKVLYVQSSQF	120
pbp2x_40085	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSELKKVLYVQSSQF	120
pbp2x_41126	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSELKKVLYVQSSQF	120
pbp2x_22715	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSEFQEILYVSSQF	120
pbp2x_40484	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSEFQEILYVSSQF	120
pbp2x_40747	ERADAVHQREVTVQAKRGTIYDRTGIPIAEDSTTYTVYAIIDTEYVSEFQEILYVSSQF ***** *****: : : * : * : *	120
pbp2x_32098	SKVAEIFKKHLGMETAYVMEQLNQPELQVYFGLGKNISYSTMSIQEEMKAAGIEGIA	180
pbp2x_33329	SKVAEIFKKHLGMETAYVMEQLNQPELQVYFGLGKNISYSTMSIQEEMKAAGIEGIA	180
pbp2x_30190	SKVAEIFKKHLGMETAYVMEQLNQPELQVYFGLGKNISYSTMSIQEEMKAAGIEGIA	180
pbp2x_32494	SKVAEIFKKHLGMETDYVMEQLNQPELQVYFGLGKNISYSTMSIQEEMKAAGIEGIA	180
pbp2x_P1-7	SKVAEIFKKHLGMETDYVMEQLNQPELQVYFGLGKNISYSTMSIQEEMKAAGIEGIA	180
pbp2x_37647	SKVAEIFKKHLGMETDYVMEQLNQPELQVYFGLGKNISYSTMSIQEEMKAAGIEGIA	180
pbp2x_40085	SKVAEIFKKHLGMETDYVMEQLNQPELQVYFGLGKNISYSTMSIQEEMKAAGIEGIA	180
pbp2x_41126	SKVAEIFKKHLGMETDYVMEQLNQPELQVYFGLGKNISYSTMSIQEEMKAAGIEGIA	180
pbp2x_22715	HKVADILNKYLGMETDYVNKQLNQPELQVYFGLGKNISYSTMTSIQEEMKAAGIKGIA	180
pbp2x_40484	HKVADILNKYLGMETDYVNKQLNQPELQVYFGLGKNISYSTMTSIQEEMKAAGIKGIA	180
pbp2x_40747	HKVADILNKYLGMETDYVNKQLNQPELQVYFGLGKNISYSTMTSIQEEMKAAGIKGIA * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : *	180
pbp2x_32098	FNASPGRMYPNGNFSISFVGLANPVENKDGSHSLQGVSGLYYLNDILAGQDGKVIYEKD	240
pbp2x_33329	FNASPGRMYPNGNFSISFVGLANPVENKDGSHSLQGVSGLYYLNDILAGQDGKVIYEKD	240
pbp2x_30190	FNASPGRMYPNGNFASIFVGLANPVENKDGSHSLQGVSGLYYLNDILAGQDGKVIYEKD	240
pbp2x_32494	FNASPGRMYPNGNFASIFVGLANLVENKDGSHSLQGVSGLYYLNDILAGQDGKVIYEKD	240
pbp2x_P1-7	FNASPGRMYPNGNFASIFVGLANLVENKDGSHSLQGVSGLYYLNDILAGQDGKVIYEKD	240
pbp2x_37647	FDASPGRMYSNGNFASIFVGLANPVENKDGSHSLQGVSGLYYLNDILAGQDGKVIYEKD	240
pbp2x_40085	FDASPGRMYSNGNFASIFVGLANPVENKDGSHSLQGVSGLYYLNDILAGQDGKVIYEKD	240
pbp2x_41126	FDASPGRMYSNGNFASIFVGLANPVENKDGSHSLQGVSGLYYLNDILAGQDGKVIYEKD	240
pbp2x_22715	FNASPGRMYPNGNFASIFVGLANLIENKDGSHSLQGMSEYLLNDILAGQDGKVIYEKD	240
pbp2x_40484	FNASPGRMYPNGNFASIFVGLANLIENKDGSHSLQGMSEYLLNDILAGQDGKVIYEKD	240
pbp2x_40747	FNASPGRMYPNGNFASIFVGLANLIENKDGSHSLQGMSEYLLNDILAGQDGKVIYEKD * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : * : *	240

pbp2x_32098	DGYDIAVKSGSAEIAS	EDGQGYIKGAY	TNSVVAMIPAEN	PEFIMYVTIRQPEVL	SVLSWD	600
pbp2x_33329	DGYDIAVKSGSAEIAS	EDGQGYIKGAY	TNSVVAMIPAEN	PEFIMYVTIRQPEVL	SVLSWD	600
pbp2x_30190	DGYDIAVKSGTAEIAS	EDGQGYIKGAY	INSVVAMIPAED	PEFIMYVTIRQPEVL	NVLSWR	600
pbp2x_32494	DGYDIAVKSGTAEIAS	EDGQGYIKGAY	INSVVAMIPAED	PEFIMYVTIRQPEVL	NVLSWR	600
pbp2x_P1-7	DGYDIAVKSGTAEIAS	EDGQGYIKGAY	INSVVAMIPAED	PEFIMYVTIRQPEVL	NVLSWR	600
pbp2x_37647	DGYDIAVKSGSAEIAS	EDGQGYIKGAY	TNSVVAMIPAED	PEFIMYVTIRQPEVL	NVLSWR	600
pbp2x_40085	DGYDIAVKSGSAEIAS	EDGQGYIKGAY	TNSVVAMIPAED	PEFIMYVTIRQPEVL	NVLSWR	600
pbp2x_41126	DGYDIAVKSGSAEIAS	EDGQGYIKGAY	TNSVVAMIPAED	PEFIMYVTIRQPEVL	NVLSWR	600
pbp2x_22715	EGYDIAMKSGSAEIAS	EDGLGYIKDAY	TNSVVAMIPAED	PEFIMYVTIRQPEVL	SVLSWN	600
pbp2x_40484	EGYDIAMKSGSAEIAS	EDGLGYIKDAY	TNSVVAMIPAED	PEFIMYVTIRQPEVL	NVLSWR	600
pbp2x_40747	EGYDIAMKSGSAEIAS	EDGLGYIKDAY	TNSVVAMIPAED	PEFIMYVTIRQPEVL	NVLSWR	600
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pbp2x_32098	SIISPTLKEAMLLKDNLNLD	APAPSLTYVEKETDY	KLPDLIGKAPGESAEELRR	QLVQPV	660		
pbp2x_33329	SIISPTLKEAMLLKDNLNLD	APAPSLTYVEKETDY	KLPDLIGKAPGESAEELRR	QLVQPV	660		
pbp2x_30190	DIVSPTLKEAMLLKDNLNLD	SAPALARVANET	EYQLPD	LIGKAPGESAEELRR	QLVQPV	660	
pbp2x_32494	DIVSPTLKEAMLLKDNLNLD	SAPALARVANET	EYQLPD	LIGKAPGESAEELRR	QLVQPV	660	
pbp2x_P1-7	DIVSPTLKEAMLLKDNLNLD	SAPALARVANET	EYQLPD	LIGKAPGESAEELRR	QLVQPV	660	
pbp2x_37647	DIVSPTLKEAMLLKDNLNLD	SAPALAQVANET	EYQLPD	LIGKAPGESAEELRR	QLVQPV	660	
pbp2x_40085	DIVSPTLKEAMLLKDNLNLD	SAPALAQVANET	EYQLPD	LIGKAPGESAEELRR	QLVQPV	660	
pbp2x_41126	DIVSPTLKEAMLLKDNLNLD	SAPALAQVANET	EYQLPD	LIGKAPGESAEELRR	QLVQPV	660	
pbp2x_22715	TIVSPTLKEAMLLKDNLNLD	PASNL	SLLTNETEY	KLPD	IVGKAPGEIAEELRR	NLVQPV	660
pbp2x_40484	DIVSPTLKEAMLLKDNLNLD	SAPALAQVANET	EYQLPD	LIGKAPGESAEELRR	QLVQPV	660	
pbp2x_40747	DIVSPTLKEAMLLKDNLNLD	SAPALAQVANET	EYQLPD	LIGKAPGESAEELRR	QLVQPV	660	
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pbp2x_32098	ILGNGAIEIKKV	SVEKGSNV	IANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_33329	ILGNGAIEIKKV	SVEKGSNV	IANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_30190	ILGNGAIEIKKV	SVEKGS	SKVIANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_32494	ILGNGAIEIKKV	SVEKGS	SKVIANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_P1-7	ILGNGAIEIKKV	SVEKGS	SKVIANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_37647	ILGNGAIEIKKV	SVEKGSNV	IANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_40085	ILGNGAIEIKKV	SVEKGSNV	IANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_41126	ILGNGAIEIKKV	SVEKGSNV	IANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_22715	ILGN	SEIKQASVEKG	TAVSANQQVLLLT	TKFEEMPDL	YAVTKENMD	LIAEWTGIEVTY	720
pbp2x_40484	ILGNGAIEIKKV	SVEKGSNV	IANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
pbp2x_40747	ILGNGAIEIKKV	SVEKGSNV	IANQQVLLLT	TKFEEMPDL	YAITKENMD	IFAEWTGIEVTYK	720
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pbp2x_32098	GTGSKVVDQ	SVEVGTALNKT	KKITITLGD	749	
pbp2x_33329	GTGSKVVDQ	SVEVGTALNKT	KKITITLGD	749	
pbp2x_30190	GTGSKVVDQ	SVEVGTALNKT	KKITITLGD	749	
pbp2x_32494	GTGSKVVDQ	SVEVGTALNKT	KKITITLGD	749	
pbp2x_P1-7	GTGSKVVDQ	SVEVGTALNKT	KKITITLGD	749	
pbp2x_37647	GTGSKVVDQ	SVEVGTALNKT	EKITITLGD	749	
pbp2x_40085	GTGSKVVDQ	SVEVGTALNKT	EKITITLGD	749	
pbp2x_41126	GTGSKVVDQ	SVEVGTALNKT	EKITITLGD	749	
pbp2x_22715	GQGA	KVIDQ	SVEVGTALNKT	KNITVTLGD	749
pbp2x_40484	GTGSKVVDQ	SVEVGTALNKT	EKITITLGD	749	
pbp2x_40747	GTGSKVVDQ	SVEVGTALNKT	EKITITLGD	749	
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