

Figure S3

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Labma-PP1-I M-----
Labma-PP1-II MDAK-----FGGP-----GG
Labma-PP1-III M-----G
Labma-PP1-IV MSIEVPTSDSSAINYSTPIQDVNVNVSRRPTIKNPVKPLTRMMRNLDANGSSVPNLTTNG
*
Labma-PP1-I ---AEGEINIDNIIQRLLVEVRS--RPGKTVQMSEAEVRGLCLKSRELFLOQPILLELEAP
Labma-PP1-II GGKETDKLNIDSIIARLLEVRGS--RPGKNVQLSEYEIRGLCLKSRELFISQPIILLELEAP
Labma-PP1-III EKGDVSEVDVDSIIDRLLEVRGC--RPGKQVQLDEHEIKWLCSKSREIFISQPIILLELEAP
Labma-PP1-IV TSNTQSNQLIDSII SKLIDIGMSGRVPRVLPKSSDILWLLAQVQPIILLSQPTLLEIQAP
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Labma-PP1-I LKICGDIHQYTDLLRLFEYGGFPPEANYLFLGDYVDRGKQSLETICLLAYKIKYPENF
Labma-PP1-II LKICGDVHGQYDILLRLFEYGGFPPEANYLFLGDYVDRGKQSLETICLLAYKIKYPENF
Labma-PP1-III IKICGDIHQYDILLRLFEYGGFPPEANYLFLGDYVDRGKQSLETICLLAYKIKYPENF
Labma-PP1-IV VKIVGDIHQYLDLMLRIFTKSGWPPGSNYLFLGDYVDRGKQSLETILLFAPKVRVKGRF
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Labma-PP1-I FLLRGNHECASNRIYGFYDECKRRYNIKLWKTFTDCFNCLPIAAI VDEKIFCCHGGLSP
Labma-PP1-II FLLRGNHECASNRIYGFYDECKRRYNVVKLWKTFTDCFNCLPVAAI VDEKIFCCHGGLSP
Labma-PP1-III FILRGNHECASNRIYGFYDECKRRYNIKLWKTFTDCFNCLPIAAI IDEKIFTMHGGLSP
Labma-PP1-IV FLLRGNHECQGICRVYGFYDECKRRASVKIWKSFVDTFNCLPIAAV VADKIFCVHGGGLSP
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Labma-PP1-I DLQSMEQIRRMPTDVPDPTGLLCDLLWSDPKDKVQGWGENDRGVSFTFGADVVSFKFLNR
Labma-PP1-II DLQSMEQIRRMPTDVPDQGLLCDLLWSDPKDKTMGWGENDRGVSFTFGAEVVSFKFLHK
Labma-PP1-III DLQSMEQIRRVMPRTDVPDPTGLLCDLLWSDPEKEITGWGENDRGVSFTFGPDVVSRLFQN
Labma-PP1-IV ELNSMQRIRDIERPTEVPDFGLINDLLWSDPSHSAVDWEDSDRGVSYCFGRDILSRFLHK
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Labma-PP1-I HDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGGMSVDETLMCSFQILKP
Labma-PP1-II HDFDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGAMMSVDETLMCSFQILKP
Labma-PP1-III HEMDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGAMMSVDDTLMCSFQILKP
Labma-PP1-IV HKFDLLARAHMVVEDGYEFFANRGLVTIFSAFNYCGIFKNMGAVMIVEPDLVCRFDLLQP
*:* **:* **:* **:* **:* **:* **:* **:* **:* **:* **:* **:* **:*
Labma-PP1-I SEKKAKYQYQGLN--RPQT--PRGPQNNPQGNK-----
Labma-PP1-II ADKK--KFPYGGLNSSRPLTPPRGATQQKGGKK-----
Labma-PP1-III AEKKQKYTYAA-----GRMG-----
Labma-PP1-IV ASQA--SVTLQDEVVKADMAAAHAHAQLQNKDNGTGTGDSNVNAQDRASPGGSVLSRSL
.: : . .
Labma-PP1-I -----RK
Labma-PP1-II -----
Labma-PP1-III -----
Labma-PP1-IV TRGGKVLKSPGLGHKSVNGDQGVIISGARWNPNESPPEGSLITRDKSKR
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