

a

Sequence 1: PpTPS1b	926 aa
Sequence 2: PpTPS9a	859 aa
Sequence 3: PpTPS10	861 aa
Sequence 4: PpTPS6	855 aa
Sequence 5: PpTPS7b	840 aa
Sequence 6: PpTPS7a	854 aa
Sequence 7: PpTPS1a	924 aa
Sequence 8: PpTPS5	858 aa
Sequence 9: PpTPS9b	862 aa

Sequences (1:2) Aligned.	Score: 26.7753
Sequences (1:3) Aligned.	Score: 26.597
Sequences (1:4) Aligned.	Score: 20.5848
Sequences (1:5) Aligned.	Score: 25.8333
Sequences (1:6) Aligned.	Score: 25.4098
Sequences (1:7) Aligned.	Score: 76.9481
Sequences (1:8) Aligned.	Score: 27.8555
Sequences (1:9) Aligned.	Score: 26.7981
Sequences (2:3) Aligned.	Score: 65.5413
Sequences (2:4) Aligned.	Score: 61.5205
Sequences (2:5) Aligned.	Score: 57.1429
Sequences (2:6) Aligned.	Score: 60.6557
Sequences (2:7) Aligned.	Score: 26.3097
Sequences (2:8) Aligned.	Score: 61.8881
Sequences (2:9) Aligned.	Score: 63.4459
Sequences (3:4) Aligned.	Score: 64.5614
Sequences (3:5) Aligned.	Score: 61.4286
Sequences (3:6) Aligned.	Score: 63.8173
Sequences (3:7) Aligned.	Score: 27.0616
Sequences (3:8) Aligned.	Score: 64.4522
Sequences (3:9) Aligned.	Score: 75.2613
Sequences (4:5) Aligned.	Score: 62.619
Sequences (4:6) Aligned.	Score: 65.6909
Sequences (4:7) Aligned.	Score: 21.4035
Sequences (4:8) Aligned.	Score: 74.9708
Sequences (4:9) Aligned.	Score: 63.1579
Sequences (5:6) Aligned.	Score: 77.2619
Sequences (5:7) Aligned.	Score: 25.4762
Sequences (5:8) Aligned.	Score: 64.6429
Sequences (5:9) Aligned.	Score: 59.7619
Sequences (6:7) Aligned.	Score: 25.9953
Sequences (6:8) Aligned.	Score: 67.7986
Sequences (6:9) Aligned.	Score: 62.7635
Sequences (7:8) Aligned.	Score: 27.8555
Sequences (7:9) Aligned.	Score: 27.1462
Sequences (8:9) Aligned.	Score: 63.0536

b

Sequence 1: PpTPS1a	485 aa
Sequence 2: PpTPS1b	485 aa
Sequence 3: PpTPS5	485 aa
Sequence 4: PpTPS6	485 aa
Sequence 5: PpTPS7a	485 aa
Sequence 6: PpTPS7b	485 aa
Sequence 7: PpTPS9a	485 aa
Sequence 8: PpTPS9b	485 aa
Sequence 9: PpTPS10	485 aa

Sequences (1:2) Aligned.	Score: 84.9485
Sequences (1:3) Aligned.	Score: 36.2887
Sequences (1:4) Aligned.	Score: 35.4639
Sequences (1:5) Aligned.	Score: 34.2268
Sequences (1:6) Aligned.	Score: 33.4021
Sequences (1:7) Aligned.	Score: 35.6701
Sequences (1:8) Aligned.	Score: 34.433
Sequences (1:9) Aligned.	Score: 34.0206
Sequences (2:3) Aligned.	Score: 36.0825
Sequences (2:4) Aligned.	Score: 36.2887
Sequences (2:5) Aligned.	Score: 34.6392
Sequences (2:6) Aligned.	Score: 33.1959
Sequences (2:7) Aligned.	Score: 35.6701
Sequences (2:8) Aligned.	Score: 34.0206
Sequences (2:9) Aligned.	Score: 34.433
Sequences (3:4) Aligned.	Score: 76.4948
Sequences (3:5) Aligned.	Score: 67.4227
Sequences (3:6) Aligned.	Score: 62.268
Sequences (3:7) Aligned.	Score: 64.1237
Sequences (3:8) Aligned.	Score: 63.5052
Sequences (3:9) Aligned.	Score: 65.3608
Sequences (4:5) Aligned.	Score: 66.3918
Sequences (4:6) Aligned.	Score: 60.6186
Sequences (4:7) Aligned.	Score: 64.9485
Sequences (4:8) Aligned.	Score: 62.4742
Sequences (4:9) Aligned.	Score: 64.9485
Sequences (5:6) Aligned.	Score: 72.3711
Sequences (5:7) Aligned.	Score: 61.2371
Sequences (5:8) Aligned.	Score: 58.9691
Sequences (5:9) Aligned.	Score: 61.2371
Sequences (6:7) Aligned.	Score: 57.732
Sequences (6:8) Aligned.	Score: 55.0515
Sequences (6:9) Aligned.	Score: 57.9381
Sequences (7:8) Aligned.	Score: 61.6495
Sequences (7:9) Aligned.	Score: 74.6392
Sequences (8:9) Aligned.	Score: 65.1546