

[illegible]

Figure 1: Multiple sequence alignment of PAS-11 protein from various species. The alignment is shown in blocks, with each block containing a table of coverage (cov) and identity (pid) percentages for the seven species, followed by the amino acid sequence alignment. The species are: 1 SgTai, 2 LmTai, 3 PkTai, 4 BgTai, 5 DmTai, 6 AaTai, and 7 MnTai.

Block 1 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 2 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 3 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 4 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 5 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 6 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 7 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 8 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 9 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 10 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 11 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 12 (PAS-11):

	cov	pid
1 SgTai	100.0%	100.0%
2 LmTai	99.9%	87.1%
3 PkTai	84.4%	29.3%
4 BgTai	90.8%	52.9%
5 DmTai	92.7%	15.8%
6 AaTai	87.1%	17.5%
7 MnTai	90.8%	19.5%

Block 13 (PAS-11

