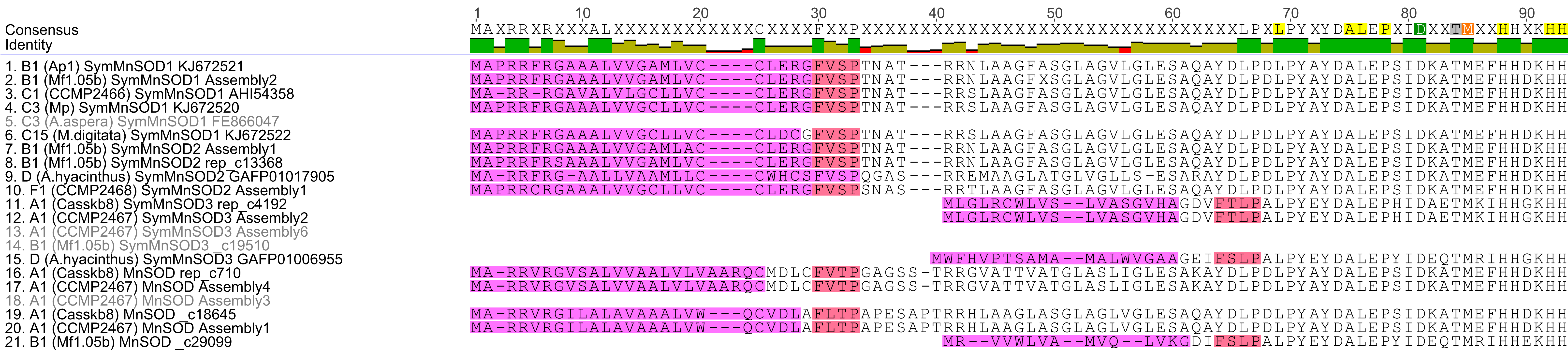
1 10 20 30 40 50 60 70 80 90
Consensus MAXRRXRXXXALXXXXXXXXXXXXCXXXXFXXPXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXLPXLPYXYDALEPXIDXXTMXXHHXKHH
Identity
1. B1 (Ap1) SymMnSOD1 KJ672521 MAPRRFRGAAALVVGAMLVC----CLERGFVSPTNAT---RRNLAAGFASGLAGVLGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
2. B1 (Mf1.05b) SymMnSOD1 Assembly2 MAPRRFRGAAALVVGAMLVC----CLERGFVSPTNAT---RRNLAAGFXSGLAGVLGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
3. C1 (CCMP2466) SymMnSOD1 AHI54358 MA-RR-RGAVALVLGCLLVC----CLERGFVSPTNAT---RRSLAAGFASGLAGVLGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
4. C3 (Mp) SymMnSOD1 KJ672520 MAPRRFRGAAALVVGCLLVC----CLERGFVSPTNAT---RRSLAAGFASGLAGVLGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
5. C3 (A.aspera) SymMnSOD1 FE866047
6. C15 (M.digitata) SymMnSOD1 KJ672522 MAPRRFRGAAALVVGCLLVC----CLDCGFVSPTNAT---RRSLAAGFASGLAGVLGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
7. B1 (Mf1.05b) SymMnSOD2 Assembly1 MAPRRFRGAAALVVGAMLAC----CLERGFVSPTNAT---RRNLAAGFASGLAGVLGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
8. B1 (Mf1.05b) SymMnSOD2 rep_c13368 MAPRRFRSAAALVVGAMLVC----CLERGFVSPTNAT---RRNLAAGFASGLAGVLGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
9. D (A.hyacinthus) SymMnSOD2 GAFP01017905 MA-RRFRG-AALLVAAMLLC----CWHCSFVSPQGAS---RREMAAGLATGLVGLLS-ESARAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
10. F1 (CCMP2468) SymMnSOD2 Assembly1 MAPRRCRGAAALVVGCLLVC----CLERGFVSPSNAS---RRTLAAGFASGLAGVLGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
11. A1 (Casskb8) SymMnSOD3 rep_c4192 MLGLRCWLVS--LVASGVHAGDVFTLPALPYEYDALEPHIDAETMKIHHGKHH
12. A1 (CCMP2467) SymMnSOD3 Assembly2 MLGLRCWLVS--LVASGVHAGDVFTLPALPYEYDALEPHIDAETMKIHHGKHH
13. A1 (CCMP2467) SymMnSOD3 Assembly6
14. B1 (Mf1.05b) SymMnSOD3 _c19510
15. D (A.hyacinthus) SymMnSOD3 GAFP01006955 MWFHVPTSAMA--MALWVGAAGEIFSLPALPYEYDALEPYIDEQTMRIHHGKHH
16. A1 (Casskb8) MnSOD rep_c710 MA-RRVRGVSALVVAALVLVAARQCMDLCFVTPGAGSS-TRRGVATTVATGLASLIGLESAKAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
17. A1 (CCMP2467) MnSOD Assembly4 MA-RRVRGVSALVVAALVLVAARQCMDLCFVTPGAGSS-TRRGVATTVATGLASLIGLESAKAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
18. A1 (CCMP2467) MnSOD Assembly3
19. A1 (Casskb8) MnSOD _c18645 MA-RRVRGILALAVAAALVW---QCVDLAFLTPAPESAPTRRHLAAGLASGLAGLVGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
20. A1 (CCMP2467) MnSOD Assembly1 MA-RRVRGILALAVAAALVW---QCVDLAFLTPAPESAPTRRHLAAGLASGLAGLVGLESAQAYDLPDLPYAYDALEPSIDKATMEFHHDKHH
21. B1 (Mf1.05b) MnSOD _c29099 MR--VVWLVA--MVQ--LVKGDIFSLPALPYEYDALEPYIDEQTMRIHHEKHH