

The chart displays the relative abundance of *S. Mitis* strains across 10 samples. The y-axis represents relative abundance from 0 to 1.0. The x-axis lists the samples: FX002.S03, FX002.S05, FX002.S22, FX002.S23, FX002.S24, FX002.S08, FX002.S10, FX002.S27, FX002.S28, and FX002.S29. The legend indicates six categories: S.Mitis\_1X\_BL (blue), S.Mitis\_1X\_D14 (orange), S.Mitis\_1X\_D14 (red), S.Mitis\_1X\_D14 (green), S.Mitis\_1X\_D14 (purple), and S.Mitis\_1X\_D14 (cyan).

Sample	S.Mitis_1X_BL	S.Mitis_1X_D14	S.Mitis_1X_D14	S.Mitis_1X_D14	S.Mitis_1X_D14	S.Mitis_1X_D14
FX002.S03	0.95	0.03	0.01	0.01	0.01	0.01
FX002.S05	0.02	0.95	0.01	0.01	0.01	0.01
FX002.S22	0.01	0.98	0.01	0.01	0.01	0.01
FX002.S23	0.45	0.50	0.03	0.01	0.01	0.01
FX002.S24	0.25	0.70	0.03	0.01	0.01	0.01
FX002.S08	0.01	0.95	0.03	0.01	0.01	0.01
FX002.S10	0.01	0.98	0.01	0.01	0.01	0.01
FX002.S27	0.01	0.95	0.03	0.01	0.01	0.01
FX002.S28	0.01	0.98	0.01	0.01	0.01	0.01
FX002.S29	0.01	0.98	0.01	0.01	0.01	0.01

Acinetobacter bereziniae	
Burkholderia ambifaria_cepacia_contaminans_diffusa_lata_metalli ... (7 species)	
Corynebacterium mastitidis	
Corynebacterium mastitidis_nov_91.815%	
Corynebacterium mastitidis_nov_97.500%	
Faecalibaculum rodentium	
Faecalibaculum rodentium_nov_92.171%	
Lactobacillus murinus	
Rothia nasimurium	
Staphylococcus sciuri	
Staphylococcus sciuri_nov_97.857%	
Staphylococcus xylosus	
Streptococcus danieliae	
Streptococcus danieliae_nov_95.331%	
Streptococcus danieliae_nov_96.498%	
Streptococcus danieliae_nov_96.899%	
Streptococcus danieliae_nov_97.276%	
Streptococcus danieliae_nov_97.665%	
Streptococcus mitis	
Streptococcus mitis_pneumoniae_pseudopneumoniae	
Streptococcus multispecies_sppn2_3_nov_97.143%	
Streptococcus oralis_nov_94.386%	
Streptococcus oralis_nov_94.643%	
Turicibacter sanguinis_nov_97.153%	