Manual Annotation Rubrerythrins **Subgroup** Scop ID **Fatty acid Ferritins** (1lko) desaturases (1z6o) Rubrerythrins (2uw1) a.25.1.1 🔺 **Ferritin Ferritins BMM Bacterioferirtin** alpha (1mty) Dps **Fatty acid desaturase** a.25.1.2 🔺 a.25.1.1 a.25.1.2 RNR R2 Ribo beta nucleotide **BMM** alpha reductase-**Dps** like **BMM** beta **Bacterioferritins** RNR R2 (2vzb) (1bcf) (1w68)B **SPE** SPE ▲1otkA ▲1yuzA ▲ 2fzfA 2uw1B 🛦 ▲1lb3A 2jd7A ▲1nfvA 2uw1A 1afrA /<mark>3ghbA</mark> 1r03A 2za 7A 1v 1krqA 1z6oM 1mtyB ▲ 3dhgA ▲ 1mtyD 2incB ⁻2inpC ▲2ux1A ▲1ji4A ▲1qghA 1uzrA 📥 ▲1ji5A a.25.1.2 a.25.1.1 1oquA 🛦 ▲1n1qA ▲1jigA 42chpA 1mxrA 🛕 **▲** A86 1jts# 1jk0A 📥 2uw2A 🛦 1jgcA 1bcfA ▲1tk6A ▲1o9rA ▲3e1qA D TM-Vec Ε ▲1dpsA TM-Vec ▲1o9rA 1jtsA ▲1ji4A ▲1jigA 1uvhA ∖∆2fjcA ∆1tjoA **≜**mtyB ▲1n1qA **▲1tk6A** ▲2incB ▲1qghA ~ 1jk0A₁1w68A▲ 2uw2A▲ A 2chpA 1260A 1260A 1240M 1240M 1240M a.25.1.1 a.25.1.2 1oquA ▲ **≜**1yuzA 1r03A 2za7A 1lb3A 2uw1A 2uw1B ▲3dhgA 1mtyD▲ ▲3e6sA ▲1krqA 3qhbA ▲2fzfA 1za0A▲ **CPE CPE** ▲ 1lkoA ▲1yuzA ▲1tk6A ▲1otkA ▲1tjoA 2vzbAlnfvA 3qhbA 3ee4A 1mtyB ▲ 1mtyD ▲ 1za0A 3dhgA 1jtsA 109rAuvhA 1uzrA 2inpC 3e6sA 1jgcA 2incB 1jigA 2chpA 2ux1A 1ji5A 1qghA 1afrA A 2uw1B 2uw1A 1mxrA 🛦 ▲ 1ji4A 1oquA ▲ 1krqA▲ 1vlgA ▲ a.25.1.1 a.25.1.2 1r2fA ▲1eumA//1z6oM 1w68A 2uw2A 1jk0A ▲ 2za7A ▲2fzfA