

Supplementary Data

Table S1 – The 44 retrieved Cu-binding domains with the eventual Metal Binding Pattern.

<i>Pfam domain</i>	<i>Cu-binding pattern</i>
Ald_Xan_dh_C2	CX(0)S
AMO	No pattern
AmoC	No pattern
Biopterin_H	No pattern
CCoS	No pattern
CdhC	CX(85)CX(1)C
Cmc1	No pattern
CopB	No pattern
CopC	MX(10)M
CopD	No pattern
Copper-bind	HX(37)CX(2)HX(2)M
Copper-fist	No pattern
COX1	HX(49)HX(0)H
COX17	CX(2)C
COX2	HX(34)CX(1)QX(1)CX(3)HX(2)M
COX2_TM	No pattern
CtaG_Cox11	No pattern
Ctr	No pattern
Cu_amine_oxid	YX(48)HX(1)HX(158)H
Cu_bind_like	HX(42)CX(4)HX(4)Q
Cu2_monoox_C	HX(1)HX(69)M
Cu2_monooxygen	HX(0)HX(63)H
Cu-oxidase	HX(42)CX(4)H
Cu-oxidase_2	HX(40)CX(8)HX(4)M
Cu-oxidase_3	HX(40)CX(7)HX(4)M
Cu-oxidase_4	No pattern
CutA1	DX(0)K
CutC	No pattern
Glyco_hydro_10	DX(3)EX(59)H
Hemocyanin_M	HX(3)HX(25)H
HMA	CX(0)AX(1)C
Lysyl_oxidase	No pattern
Metallothio	No pattern
Metallothio_11	No pattern
Metallothio_5	No pattern
Metallothio_Pro	No pattern
Metallothionein	No pattern
Monooxygenase_B	HX(23)HX(331)Q

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NlpE	No pattern
NosD	No pattern
NosL	No pattern
Sod_Cu	HX(1)HX(22)HX(54)H
Tyrosinase	HX(18)HX(8)HX(99)HX(3)HX(26)H
Uricase	No pattern