

		TM domain	
Cisd1	-----MSLTS-SSSVRVEWIAAVTIAAGTAAIGYLAKRFY		35
Cisd2	MVLESVARIVKVQLPAYLKRLPVPEITGFARLTVSEWLRLLPFLGVLALLGYLAVRPFL		60
Cisd12	-----MSLTS-SSSVRVEWIAAVTIAAGTAAIGYLAKRFY		35
Cisd21	MVLESVARIVKVQLPAYLKRLPVPEITGFARLTVSEWLRLLPFLGVLALLGYLAVRPFL		60
		CDGSH domain	
Cisd1	VKDH-RNKAMINLHIQKDNPKIVHAFDMEDLG-DKAVYCRCWRSKKFPFCDGAHTKHNEE		93
Cisd2	PKKKQQKDSLNLKIQKENPKVVNEINIEDLCLTKAAYCRCWRSKTFPACDGSHNKHNEL		120
Cisd12	VKDH-RNKAMINLHIQKDNPKIVHAFDMEDLG-DKAVYCRCWRSKTFPACDGSHNKHNEL		94
Cisd21	PKKKQQKDSLNLKIQKDNPKIVHAFDMEDLG-DKAVYCRCWRSKKFPFCDGAHTKHNEE		119
		KKXX sequence	
Cisd1	TGDNVGPLIIKKKET		108
Cisd2	TGDNVGPLILKKKEV		135
Cisd12	TGDNVGPLILKKKEV		109
Cisd21	TGDNVGPLIIKKKET		134

Additional file 4. Amino acid sequence of Cisd1, Cisd2, Cisd12 and Cisd21 proteins. The transmembrane domain, the CDGSH iron sulfur domain (2Fe-2S) cluster and the KKXX domain are shown in boxes.