Supporting Information for:

Review

Hsp70 in redox homeostasis

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Table S1. Cysteine modifications identified in Hsp70 members

	glutathionylation	sulfenic modification	S-nitrosylation	S-sulfhydration
Escherichia coli	DnaK [1]	DnaK [2]	DnaK [3]	
Salmonella typimurium	DnaK [4]			
Saccharomyces cerevisiae	BiP (Kar2) [5]	BiP (Kar2) [5,6]		
Chlamydomonas reinhardtii	Hsp70b [7]			
Arabidopsis thaliana		Hsp70-1 [8], Hsp70-2 [8], Hsp70-3 [8], Hsp70-4 [8], Hsp70-8 [8], Hsp70-9 [8], Hsp70-14 [8], Hsp70-15 [8], Hsp70-16 [8]	Hsp70-1 [9–11], Hsp70-2 [9–11], Hsp70-3 [9–11], Hsp70-4 [10,11], Hsp70-6 [9], Hsp70-7 [9], Hsp70-10 [10], Hsp70-14 [9], Hsp70-15 [9], Hsp70-16 [9], BiP1 [10], BiP2 [10]	Hsp70-1 [12], Hsp70-3 [12], Hsp70-6 [12]
Solanum lycopersicum			Hsc-1 [13,14], Hsc-2 [13,14], Hsc80 [14]	
Drosophila melanogaster	Hsc70-1 [15], Hsc70-3 [15], Hsc70-4 [15], Hsc70-5 [15], Hsp70Aa [15], Hsp70Ab [15], Hsp70Ba [15],			

	Hsp70Bb [15], Hsp70Bbb [15], Hsp70Bc [15]			
Mus musculus	Hspa4 [16–20], Hspa8 [4,16–18,20,21], Hsph1[16–20]		Hspa1a/b [22], Hspa4 [19,22–27], Hspa8 [19,21–24,26–33], Hsph1 [19,23,25,26,29,34]	
Rattus norvegicus			Hspa4 [24,35], Hspa8 [24,36], Hsph1[24,36]	
Bos taurus			HspA1A/B [37,38], HspA6 [37]	
Homo sapiens	HspA1A/B [16,39–41], HspA1L [39], HspA2 [39], HspA4 [16,39,40], HspA4L [16,39,40], HspA5 (the ER-resident Hsp70 BiP) [42], HspA6 [39,40], HspA7 [39,40], HspA8 [39,42,43], HspA9 (the mitochondrial Hsp70 Mortalin) [39], HspA14 [39], HspH1 [16,39,40]	HspA1A/B [44], HspA4 [45], HspA4L [45], HspA8 [45,46], HspH1 [45,46]	HspA1A/B [30,47–49], HspA1L [50], HspA4 [24,30,37,47,51,52], HspA4L [30,37,47,52], HspA6 [30,50], HspA7 [30], HspA8 [24,30,37,47,50–53], HspA9 [48,49], HspA12A [47], HspA14 [47], HspH1 [30,37,47,54–56]	HspA1A/B [57,58], HspA4 [57,58], HspA4L [57], HspA5 [57] HspA6 [57,58], HspA7 [57,58], HspA8 [57,58], HspH1 [57]

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