

Microarray analysis of the hyperthermophilic archaeon *Pyrococcus furiosus* exposed to gamma irradiation

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In Table 1, the letters in the columns headed I–XI were not properly aligned. The corrected table is given here.

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Table 1 Comparison of sequences of putative archaeal kinases with the consensus sequence of highly conserved subdomains of eukaryotic protein kinases as described in Hanks and Hunter (1995)

| Organisms | ORFs | Length | Subdomains | I | II | III | IV | V | VIb | VII | VIII | IX | XI |
|----------------------|--------|--------|------------|-----------|--------|-------|----------------|---------|---------------|-----------|----------------|----------------|----------------|
| <i>Consensus</i> | | | | ogxGxogxv | oaoKxo | Exxoo | hxxooxoxxxo | oooo*oo | oohrDok+xNooo | oko+DFgo+ | +pEoo | Doo+ogoooo | Rx+ |
| <i>P. furiosus</i> | PF0364 | 311aa | | iGvGkdadV | vAiKfn | Ealv1 | Haivmefidgv | eilgkvl | ivHgDmsefNivi | iliiDwaqy | nPEs1 | Disvllnafr | Rfy |
| <i>P. horikoshii</i> | PH0512 | 313aa | | iGvGkdadV | vAVKfn | Ealv1 | Haivmeyisgv | eilgkil | ivHgDmsefNvvl | iliiDwaqy | nPEs1 | Ditvllnafr | Rfy |
| <i>P. furiosus</i> | PF1581 | 266aa | | lstGkeanV | iAVKiy | Eylaa | rk1vfvwtire | v1imey1 | mvHgDlseyNili | pviidwsqa | nPEek | - ^a | - ^a |
| <i>P. horikoshii</i> | PH1567 | 266aa | | lstGkeanV | iAVKiy | Eylaa | rk1vfvwtire | ilimefi | mvHgDlseyNili | pviidwsqa | dPEvk | - ^a | - ^a |
| <i>M. jannaschii</i> | MJ0444 | 290aa | | vnsGkeavV | rAVKvy | Efrn1 | - ^a | v1vmdfv | lvHgDlseyNilv | pvfiDFGqs | - ^a | Dcnykdlyk | - ^a |

Symbols include upper case letters for universal functionally essential residues, lowercase letters for highly conserved amino acid residues, *o* for positions conserving nonpolar residues, # for positions conserving charged residues, * for positions conserving polar residues, + for positions conserving small residues with near neutral polarity, and *x* for positions showing no clear pattern of conservation

^a No domain found