***Supplementary table 1***

|  |  |  |  |
| --- | --- | --- | --- |
| Gene sub-set | Number of genes | Reason to choose sub-set | Reference |
| Validation screen of Karlas *et al.* | 461 | Genes identified by our group | {Karlas, 2010 #21} |
| Genes identified in ≥ 2 studies | 128 | Genes confirmed by independent groups | {Watanabe, 2010 #17} |
| Human kinome | 717 | Kinase/signaling most overrepresented gene category in multiple studies | {Shaw, 2011 #22} |
| TOTAL | 1208§ | - | - |

§ Due to a partial overlap of the gene sub-sets, the total number of genes is smaller than the sum of the genes in the individual sub-sets.