**(A)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sequence identity (SI %) | Temp-m  | Temp-l | Temp-a  | Temp-h  |
| Temp-m (PDBID 2KH2) | -- |  |  |  |
| Temp-l (PDBID 3P0G) | 67.2 | -- |  |  |
| Temp-a (PDBID 4JVP) | 64.0 | 61.1 | -- |  |
| Temp-h (PDBID 4FZE) | *45.6* | *38.8* | *37.0* | -- |
| Query (Nb70) | **72.3** | **76.4** | **70.6** | *45.3* |

**(B)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SI (%) | FR1 | CDR1 | FR2 | CDR2 | FR3 | CDR3 | FR4 |
| Temp-m | 84 (84) | 37 (37) | 61 (66) | **75** (**75**) | 83 (94) | 33 (41) | *90* (*90*) |
| Temp-l | **96** (**96**) | *25* (*25*) | 72(83) | 71 (71) | **94** (94) | **58** (**58**) | **100** (**100**) |
| Temp-a | 80 (80) | 37 (37) | **77** (77) | 37 (50) | **94** (**97**) | *8* (*25*) | **100** (**100**) |
| Temp-h | *44*(60) | **50** (**50**) | *50*(*66*) | *12* (*37*) | *51*(*64*) | 16 (25) | *90* (*90*) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RMSD (Å) | Temp-m | Temp-l | Temp-a | Temp-h |
| Temp-m | -- |  |  |  |
| Temp-l | 2.4 | -- |  |  |
| Temp-a | 1.9 | 3.7 | -- |  |
| Temp-h | 2.0 | 2.2 | **4.5** | -- |

**(C)**