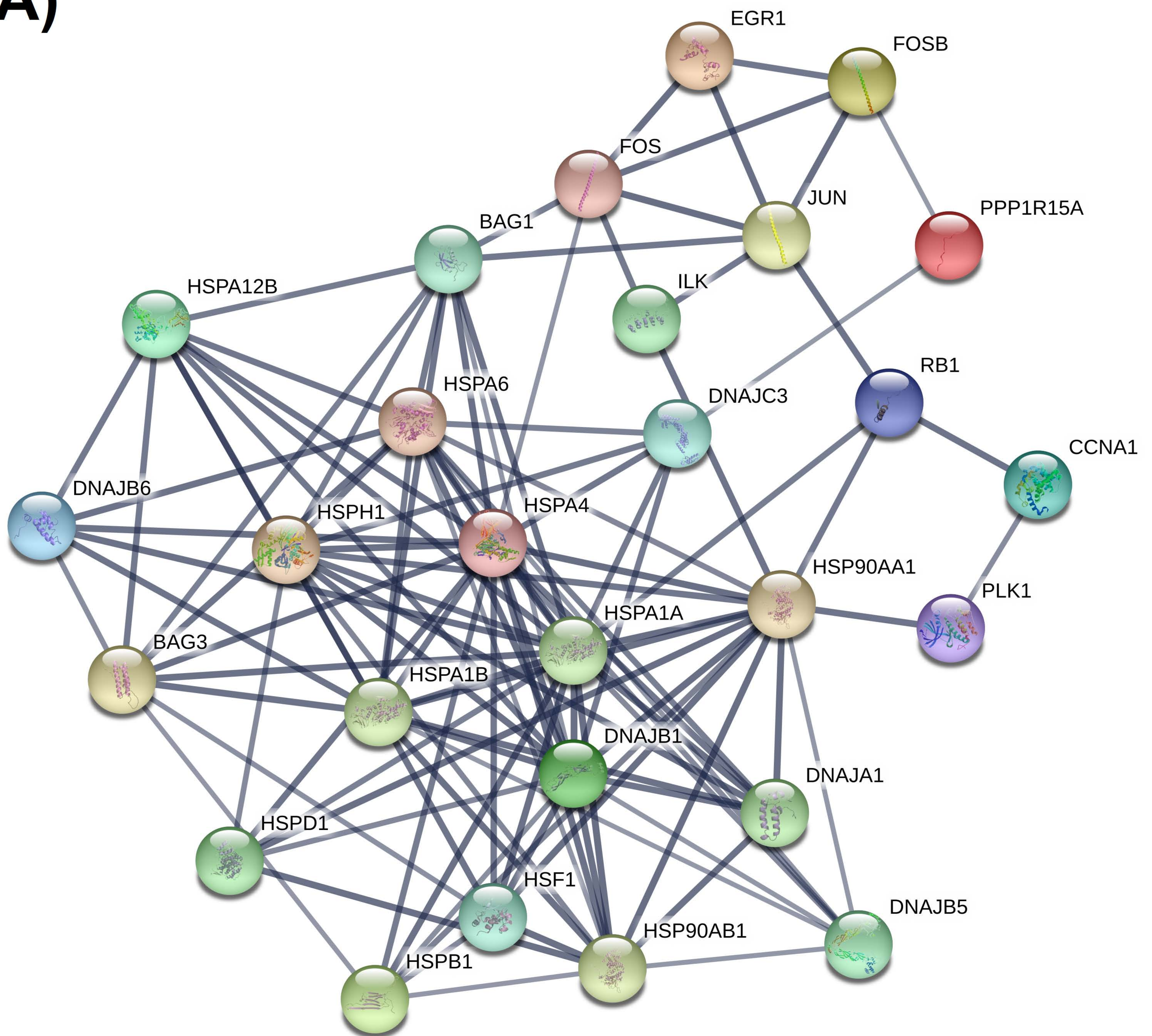
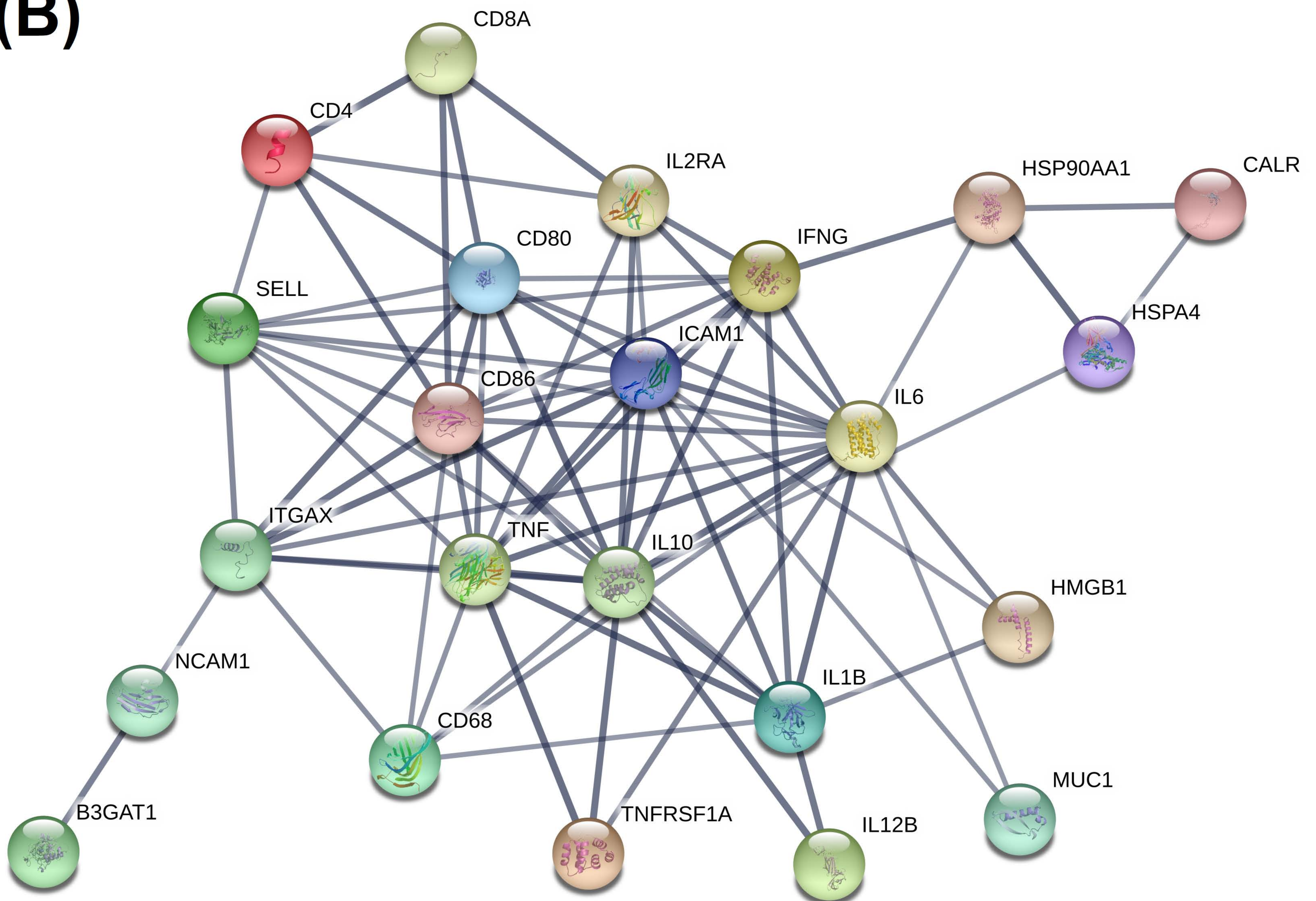
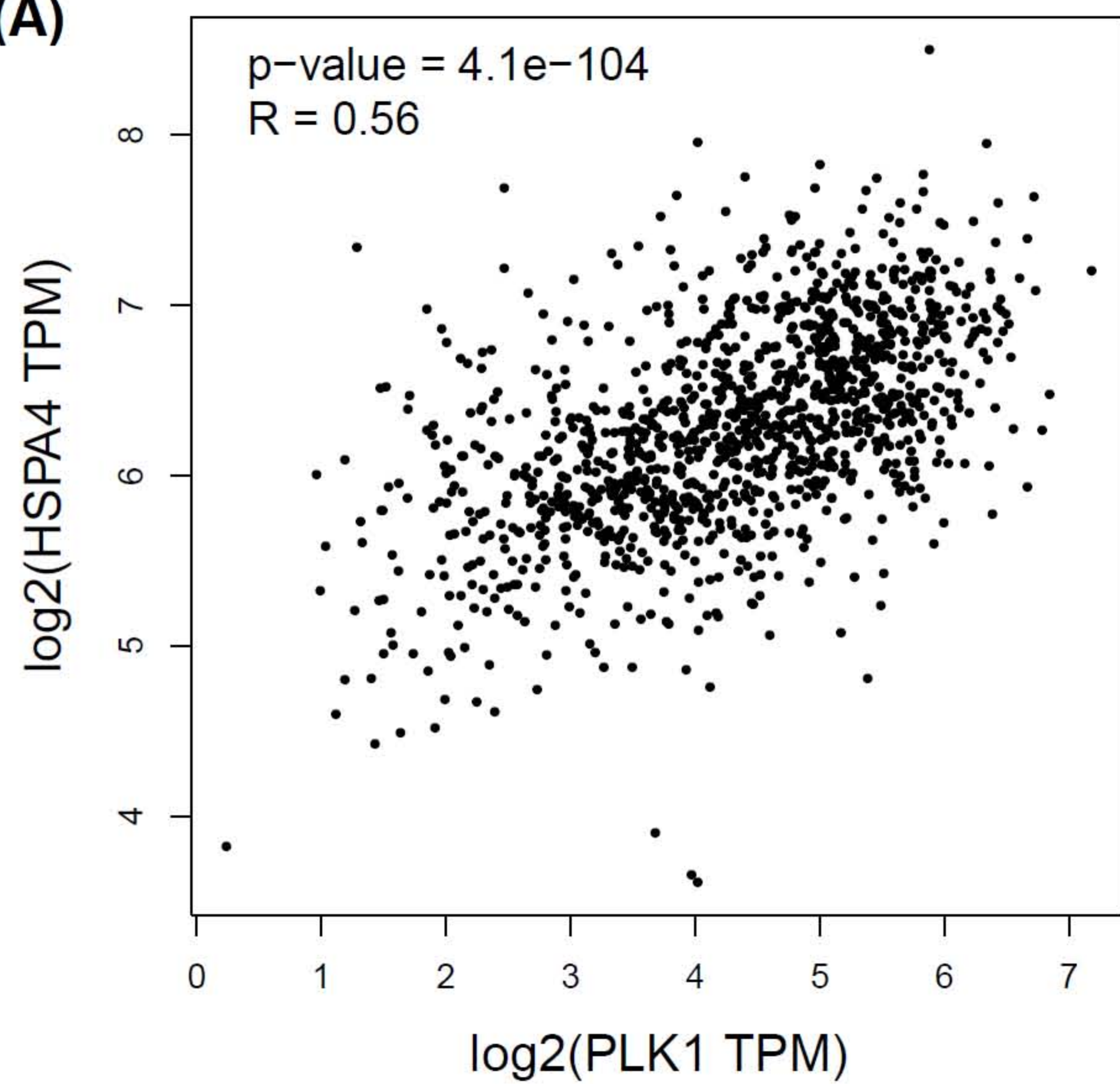
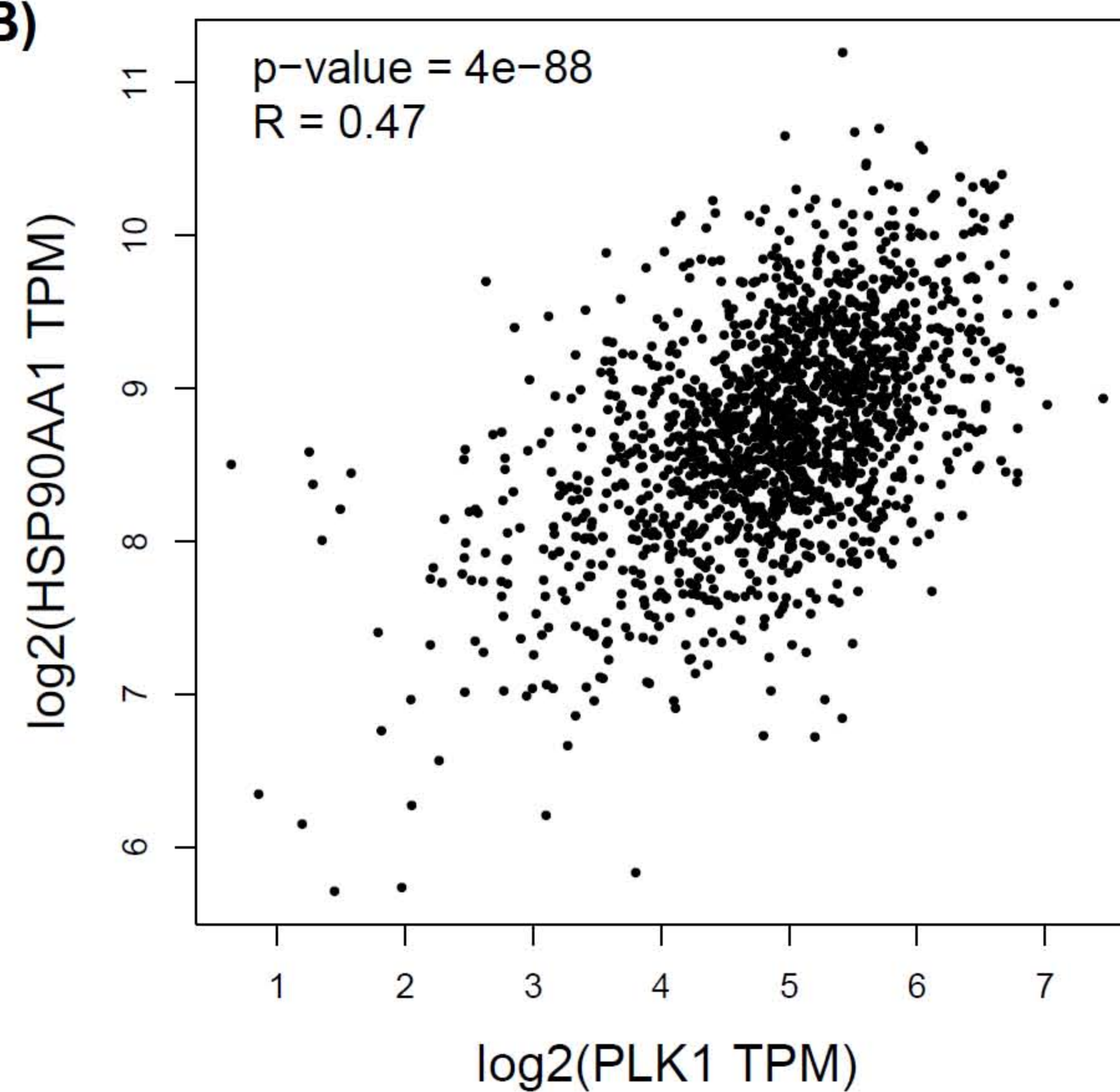
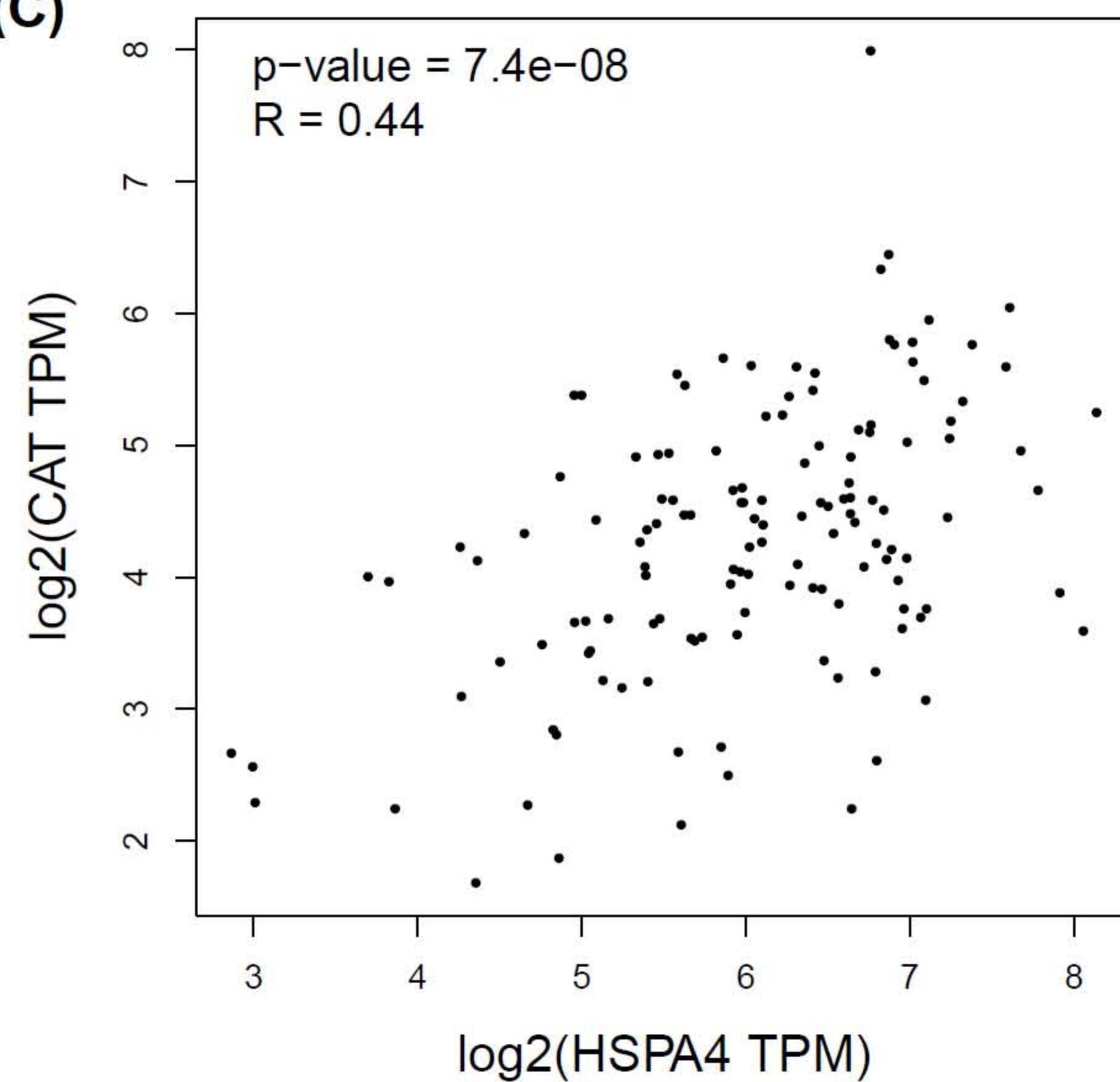
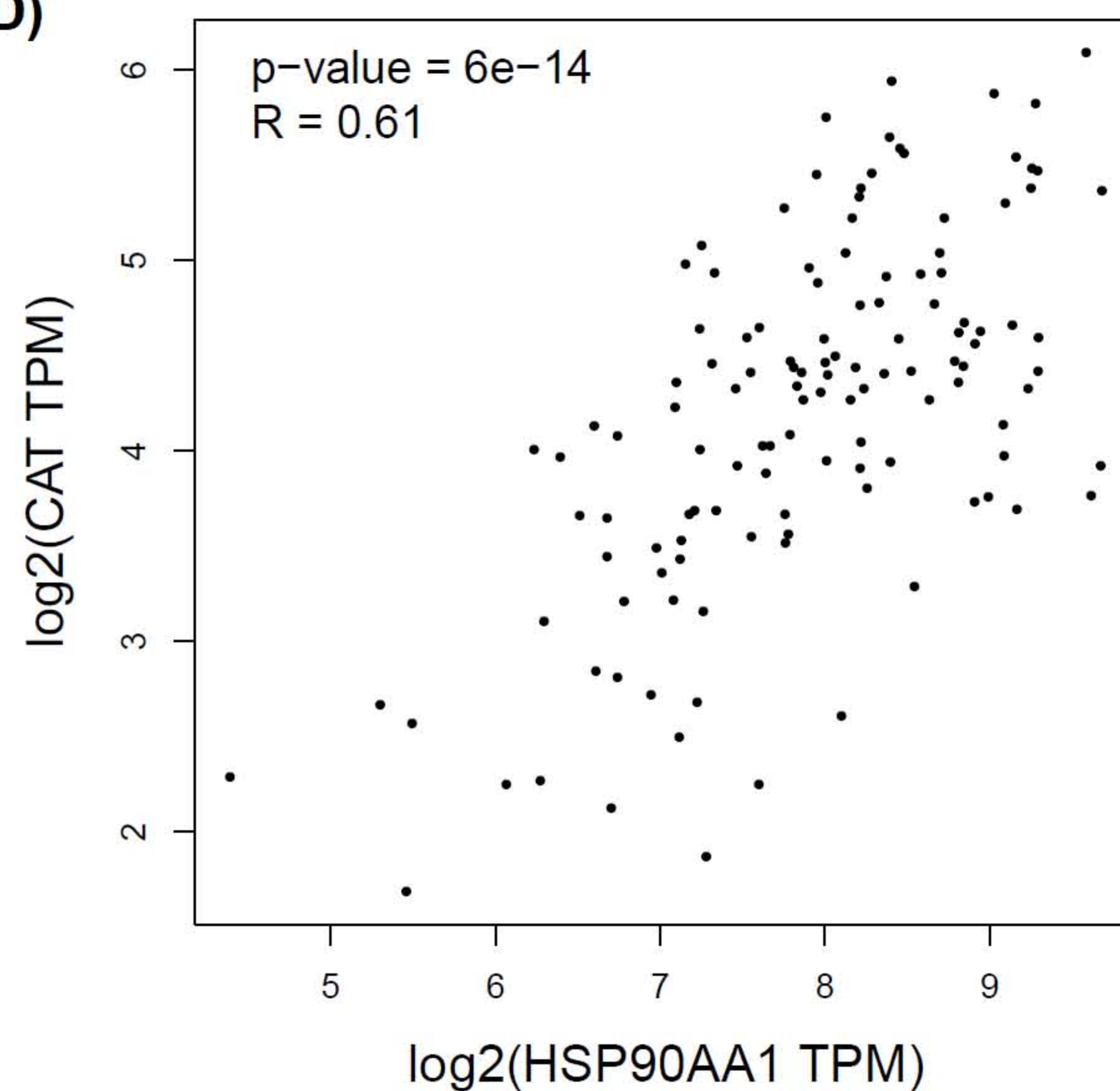


(A)



(B)



(A)**(B)****(C)****(D)**

| Thermoresistance | | |
|------------------------------|--|-------------|
| ABCA1 | ATP binding cassette subfamily A member 1 | [1] |
| ABCB1 | ATP binding cassette subfamily B member 1 | [2] |
| ABCB8 | ATP binding cassette subfamily B member 8 | [1] |
| ABCC4 | ATP binding cassette subfamily C member 4 | [1] |
| ABCF2 | ATP binding cassette subfamily F member 2 | [1] |
| ABCG2 | ATP binding cassette subfamily G member 2 (Junior blood group) | [2] |
| BAG1 | BCL2 associated athanogene 1 | [1] |
| BAG3 | BCL2 associated athanogene 3 | [3] |
| CCNA1 | cyclin A1 | [1] |
| CDK8 | cyclin dependent kinase 8 | [1] |
| CRYAA | crystallin alpha A | [1, 4] |
| CRYGN | crystallin gamma N | [1] |
| CRYL1 | crystallin lambda 1 | [1] |
| CRYZL1 | crystallin zeta like 1 | [1] |
| CYP51A1P2 | cytochrome P450 family 51 subfamily A member 1 pseudogene 2 | [1] |
| DNAJA1 | DnaJ heat shock protein family (Hsp40) member A1 | [1] |
| DNAJB1 | DnaJ heat shock protein family (Hsp40) member B1 | [3] |
| DNAJB5 | DnaJ heat shock protein family (Hsp40) member B5 | [1] |
| DNAJB6 | DnaJ heat shock protein family (Hsp40) member B6 | [1] |
| DNAJC15 | DnaJ heat shock protein family (Hsp40) member C15 | [1] |
| DNAJC3 | DnaJ heat shock protein family (Hsp40) member C3 | [1] |
| HSF1 | heat shock transcription factor 1 | [3] |
| HSP90AA1 | heat shock protein 90 alpha family class A member 1 | [5] |
| HSP90AB1 | heat shock protein 90 alpha family class B member 1 | [6] |
| HSPA12B | heat shock protein family A (Hsp70) member 12B | [1] |
| HSPA1A | heat shock protein family A (Hsp70) member 1A | [7] |
| HSPA4 | heat shock protein family A (Hsp70) member 4 | [3, 8] |
| HSPA6 | heat shock protein family A (Hsp70) member 6 | [9] |
| HSPB1 | heat shock protein family B (small) member 1 | [10] |
| HSPD1 | heat shock protein family D (Hsp60) member 1 | [6] |
| HSPH1 | heat shock protein family H (Hsp110) member 1 | [11] |
| ILK | integrin linked kinase | [12] |
| PLK1 | polo like kinase 1 | [3] |
| RB1 | RB transcriptional corepressor 1 | [1] |
| DAMPs/Immunogenic cell death | | |
| B3GAT1 | beta-1,3-glucuronyltransferase 1 | [13] |
| CALR | calreticulin | [14] |
| CD4 | CD4 molecule | [13, 15-18] |
| CD68 | CD68 molecule | [19] |
| CD80 | CD80 molecule | [20] |
| CD86 | CD86 molecule | [20] |
| CD8A | CD8a molecule | [13, 15-17] |
| HMGB1 | high mobility group box 1 | [14] |
| HSP90AA1 | heat shock protein 90 alpha family class A member 1 | [21, 22] |
| HSPA4 | heat shock protein family A (Hsp70) member 4 | [21, 22] |

| | | |
|----------|--------------------------------------|----------|
| ICAM1 | intercellular adhesion molecule 1 | [23] |
| IFNG | interferon gamma | [24] |
| IL1B | interleukin 1 beta | [25] |
| IL10 | interleukin 10 | [26] |
| IL12B | interleukin 12B | [20] |
| IL2RA | interleukin 2 receptor subunit alpha | [17] |
| IL6 | interleukin 6 | [26-28] |
| ITGAX | integrin subunit alpha X | [29] |
| MS4A1 | membrane spanning 4-domains A1 | [13] |
| MUC1 | mucin 1, cell surface associated | [24] |
| NCAM1 | neural cell adhesion molecule 1 | [15, 19] |
| SELL | selectin L | [24] |
| TNF | tumor necrosis factor | [20, 25] |
| TNFRSF1A | TNF receptor superfamily member 1A | [28] |

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| Thermoresistance | | | |
|------------------|-------------|---------------------|------------------------------------|
| Protein symbol | TM Index | 100% accuracy range | Estimated Melting Temperature (°C) |
| ABCA1 | 0,790761219 | 55°C~65 | 63 |
| ABCB1 | 0,8397 | 55-65 | 64 |
| ABCB8 | 0,59 | 55-65 | 60 |
| ABCC4 | 0,8801 | 55-65 | 64 |
| ABCF2 | 0,8198 | 55-65 | 64 |
| ABCG2 | 0,6886 | 55-65 | 62 |
| BAG1 | 0,7904 | 55-65 | 63 |
| BAG3 | 1,3227 | >65 | 68 |
| CCNA1 | 1,7758 | >65 | 72 |
| CDK8 | 1,4254 | >65 | 69 |
| CRYAA | 2,0951 | >65 | 75 |
| CRYGN | 1,4721 | >65 | 69 |
| CRYL1 | 1,5067 | >65 | 70 |
| CRYZL1 | 1,6749 | >65 | 67 |
| DNAJA1 | 2,2314 | >65 | 77 |
| DNAJB1 | 0,0561 | 55-65 | 55 |
| DNAJB5 | 2,9076 | >65 | 84 |
| DNAJB6 | 1,4748 | >65 | 69 |
| DNAJC15 | 1,042 | >65 | 65 |
| DNAJC3 | 1,2607 | >65 | 67 |
| HSF1 | 1,9936 | >65 | 74 |
| HSP90AA1 | 0,6188 | 55-65 | 61 |
| HSP90AB1 | 1,1635 | >65 | 66 |
| HSPA12B | 0,9433 | 55-65 | 65 |
| HSPA1A | 1,2719 | >65 | 67 |
| HSPA4 | 1,7797 | >65 | 72 |
| HSPA6 | 1,024 | >65 | 65 |
| HSPB1 | 0,6616 | 55-65 | 61 |
| HSPD1 | 1,791988034 | >65 | 72 |
| HSPH1 | 1,1335 | >65 | 66 |
| ILK | 1,5915 | >65 | 70 |
| PLK1 | 0,6488 | 55-65 | 61 |
| RB1 | 0,9353 | 55-65 | 64 |

| DAMPs/Immunogenic cell death | | | |
|------------------------------|-------------|---------------------|------------------------------------|
| Protein symbol | TM Index | 100% accuracy range | Estimated Melting Temperature (°C) |
| B3GAT1 | -0,1747 | <55 | 53 |
| CALR | -0,8216 | <55 | 47 |
| CD4 | 1,30091 | >65 | 68 |
| CD68 | 0,846 | 55-65 | 63 |
| CD80 | 0,828 | 55-65 | 63 |
| CD86 | 1,6222 | >65 | 71 |
| CD8A | 1,2732 | >65 | 67 |
| HMGB1 | 1,5873 | >65 | 70 |
| HSP90AA1 | 0,6188 | 55-65 | 61 |
| HSPA4 | 1,7797 | >65 | 72 |
| ICAM1 | 1,3884 | >65 | 68 |
| IFNG | 2,2082 | >65 | 77 |
| IL1B | -0,5442 | <55 | 50 |
| IL10 | 1,3101 | >65 | 68 |
| IL12B | 0,2283 | 55-65 | 57 |
| IL2RA | 0,2359 | 55-65 | 57 |
| IL6 | 0,693566365 | 55-65 | 61 |
| ITGAX | 1,5517 | >65 | 70 |
| MS4A1 | 1,3128 | >65 | 68 |
| MUC1 | 1,5306 | >65 | 70 |
| NCAM1 | 0,3275 | 55-65 | 58 |
| SELL | -0,7243 | <55 | 48 |
| TNF | 2,3462 | >65 | 78 |
| TNFRSF1A | 0,26588 | 55-65 | 57 |