**Supplementary Table 2: Evaluation of filtered proteins, LYN & AKT1**

|  |  |  |
| --- | --- | --- |
| **Property** | **Value** | |
| **LYN** | **AKT1** |
| Number of amino acids | 512 | 480 |
| Molecular weight | 58574.09 | 55686.42 |
| Theoretical pI | 6.70 | 5.75 |
| Atomic Composition | Carbon 2634  Hydrogen 4113  Nitrogen 695  Oxygen 774  Sulphur 21 | Carbon 2491  Hydrogen 3853  Nitrogen 669  Oxygen 736  Sulphur 23 |
| Total number of negatively charged residues (Asp + Glu) | 73 | 77 |
| Total number of positively charged residues (Arg + Lys) | 72 | 66 |
| Formula | C2634H4113N695O774S21 | C2491H3853N669O736S23 |
| Net charge | -0.81 | -10.1 |
| Extinction coefficients | 85260 | 65695 |
| Estimated half-life | 30 hours | 30 hours |
| Instability index | 37.21 | 35.47 |
| Aliphatic index | 79.04 | 71.69 |
| Grand average of hydropathicity (GRAVY) value | -0.503 | -0.575 |