**S1 Table.**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Inner product(0-250 ns *vs* 250-500 ns)  | Cosine content |
| ***wtFN*** | Replica #1 | 0.38 | 0.76 |
|  | Replica #2 | 0.25 | 0.52 |
| Replica #3 | 0.39 | 0.15 |
|  |  |
| ***hFN*** | Replica #1 | 0.43 | 0.23 |
|  | Replica #2 | 0.44 | 0.71 |
| Replica #3 | 0.47 | 0.45 |