|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fig** | **Variants** | **No.** | **HMW Oligomer Level** | **Dimer Level** | **Total Oligomer Level** | **[HMW Oligomer]** | **[Dimer]** | **[Monomer]** |
| 2A | WT | 1 | 0.20 ± 0.01 | 1.14 ± 0.01 | 1.34 ± 0.01 | 1.77 ± 0.05 | 10.39 ± 0.05 | 9.09 ± 0.07 |
| C394S | 2 | 0.28 ± 0.06 | 0.57 ± 0.01 | 0.85 ± 0.06 | 1.66 ± 0.35 | 3.36 ± 0.07 | 5.90 ± 0.06 |
| C394A | 3 | 0.31 ± 0.08 | 0.28 ± 0.06 | 0.59 ± 0.10 | 0.49 ± 0.11 | 0.44 ± 0.10 | 1.57 ± 0.08 |
| C394L | 4 | 0.78 ± 0.01 | 0.43 ± 0.01 | 1.21 ± 0.01 | 9.09 ± 0.13 | 5.07 ± 0.07 | 11.73 ± 0.09 |
| C394M | 5 | 0.50 ± 0.08 | 0.38 ± 0.03 | 0.88 ± 0.09 | 2.70 ± 0.42 | 2.05 ± 0.18 | 5.44 ± 0.05 |
| C394V | 6 | 0.64 ± 0.01 | 0.23 ± 0.01 | 0.88 ± 0.01 | 9.94 ± 0.13 | 3.65 ± 0.06 | 15.44 ± 0.07 |
| 3B | WT | 1 | 0.20 ± 0.01 | 1.14 ± 0.01 | 1.34 ± 0.01 | 1.77 ± 0.05 | 10.39 ± 0.05 | 9.09 ± 0.07 |
| P395ΔC | 7 | 0.58 ± 0.01 | 1.15 ± 0.01 | 1.73 ± 0.02 | 3.34 ± 0.05 | 6.69 ± 0.05 | 5.80 ± 0.06 |
| Q372ΔC | 8 | 0.22 ± 0.01 | 0.65 ± 0.01 | 0.87 ± 0.01 | 1.64 ± 0.05 | 4.95 ± 0.05 | 7.59 ± 0.06 |
| N359ΔC | 9 | 0.28 ± 0.01 | 0.81 ± 0.01 | 1.09 ± 0.01 | 2.31 ± 0.06 | 6.72 ± 0.05 | 8.30 ± 0.06 |
| P354ΔC | 10 | 0.42 ± 0.01 | 0.19 ± 0.01 | 0.62 ± 0.02 | 2.17 ± 0.05 | 0.99 ± 0.05 | 5.12 ± 0.05 |
| G349ΔC | 11 | 0.48 ± 0.02 | 0.09 ± 0.01 | 0.58 ± 0.02 | 2.23 ± 0.07 | 0.42 ± 0.06 | 4.60 ± 0.03 |
| G344ΔC | 12 | 0.44 ± 0.10 | 0.06 ± 0.06 | 0.50 ± 0.12 | 0.80 ± 0.18 | 0.11 ± 0.11 | 1.81 ± 0.04 |
| V334ΔC | 13 | 0.04 ± 0.01 | 0.10 ± 0.01 | 0.14 ± 0.01 | 0.29 ± 0.06 | 0.83 ± 0.06 | 8.23 ± 0.06 |
| A316ΔC  | 14 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.06 ± 0.01 | 0.08 ± 0.02 | 0.08 ± 0.02 | 2.89 ± 0.02 |
| 3C | WT | 15 | 0.88 ± 0.04 | 0.49 ± 0.01 | 1.37 ± 0.01 | 5.37 ± 0.22 | 2.98 ± 0.07 | 6.10 ± 0.04 |
| WT-ERRAAA | 16 | 0.66 ± 0.03 | 0.29 ± 0.01 | 0.95 ± 0.03 | 3.76 ± 0.16 | 1.64 ± 0.08 | 5.72 ± 0.07 |
| N359ΔC | 17 | 0.68 ± 0.04 | 0.33 ± 0.03 | 1.01 ± 0.05 | 1.10 ± 0.06 | 0.53 ± 0.04 | 1.61 ± 0.04 |
| N359ΔC-ERRAAA | 18 | 0.38 ± 0.03 | 0.48 ± 0.02 | 0.85 ± 0.04 | 1.05 ± 0.08 | 1.32 ± 0.06 | 2.78 ± 0.05 |
| 4 | WT 0.15 M | 19 | 0.07 ± 0.01 | 0.09 ± 0.01 | 0.16 ± 0.02 | 0.19 ± 0.04 | 0.27 ± 0.04 | 2.87 ± 0.04 |
| WT 0.45 M | 15 | 0.88 ± 0.04 | 0.49 ± 0.01 | 1.37 ± 0.04 | 5.37 ± 0.22 | 2.98 ± 0.07 | 6.10 ± 0.04 |
| WT 0.95 M | 20 | 2.20 ± 0.04 | 1.31 ± 0.02 | 3.51 ± 0.05 | 14.54 ± 0.25 | 8.62 ± 0.11 | 6.60 ± 0.06 |
| WT-ERRAAA 0.15 M | 21 | 0.17 ± 0.05 | 0.02 ± 0.01 | 0.19 ± 0.05 | 0.62 ± 0.17 | 0.07 ± 0.01 | 3.73 ± 0.03 |
| WT-ERRAAA 0.45 M | 16 | 0.47 ± 0.08 | 0.45 ± 0.04 | 0.92 ± 0.09 | 2.55 ± 0.45 | 2.45 ± 0.23 | 5.45 ± 0.07 |
| WT-ERRAAA 0.95 M | 22 | 1.20 ± 0.03 | 0.38 ± 0.01 | 1.58 ± 0.03 | 7.41 ± 0.18 | 2.37 ± 0.08 | 6.21 ± 0.04 |
| N359ΔC 0.15 M | 23 | 0.11 ± 0.01 | 0.11 ± 0.01 | 0.21 ± 0.02 | 0.72 ± 0.08 | 0.71 ± 0.08 | 6.67 ± 0.07 |
| N359ΔC 0.45 M | 17 | 0.68 ± 0.04 | 0.33 ± 0.03 | 1.01 ± 0.05 | 1.10 ± 0.06 | 0.53 ± 0.04 | 1.61 ± 0.04 |
| N359ΔC 0.95 M | 24 | 0.04 ± 0.01 | 0.04 ± 0.01 | 0.09 ± 0.01 | 0.51 ± 0.05 | 0.59 ± 0.05 | 11.90 ± 0.06 |
| V334ΔC 0.15 M | 25 | 0.13 ± 0.01 | 0.08 ± 0.01 | 0.21 ± 0.01 | 0.65 ± 0.04 | 0.41 ± 0.03 | 5.03 ± 0.03 |
| V334ΔC 0.45 M | 13 | 0.04 ± 0.01 | 0.10 ± 0.01 | 0.14 ± 0.01 | 0.29 ± 0.06 | 0.83 ± 0.06 | 8.23 ± 0.06 |
| V334ΔC 0.95 M | 26 | 0.09 ± 0.02 | 0.15 ± 0.04 | 0.23 ± 0.01 | 0.85 ± 0.19 | 1.41 ± 0.34 | 9.68 ± 0.27 |
| WT Replicates (with Variations from the Fit) | 1.16 ± 0.05 | 0.65 ± 0.03 | 1.81 ± 0.06 | 9.45 ± 0.39 | 5.34 ± 0.20 | 8.16 ± 0.04 |
| 0.98 ± 0.03 | 0.57 ± 0.01 | 1.56 ± 0.04 | 6.44 ± 0.20 | 3.76 ± 0.09 | 6.55 ± 0.04 |
| 1.48 ± 0.05 | 0.57 ± 0.01 | 2.05 ± 0.05 | 12.02 ± 0.35 | 4.66 ± 0.06 | 8.12 ± 0.05 |
| 0.20 ± 0.01 | 1.14 ± 0.01 | 1.34 ± 0.01 | 1.77 ± 0.05 | 10.39 ± 0.05 | 9.09 ± 0.07 |
| 0.88 ± 0.04 | 0.49 ± 0.01 | 1.37 ± 0.04 | 5.37 ± 0.22 | 2.98 ± 0.07 | 6.10 ± 0.04 |
| WT Replicates(with Experimental Variations: Mean ± SD; n = 5) | 0.94 ± 0.47 | 0.68 ± 0.26 | 1.63 ± 0.30 | 7.01 ± 3.92 | 5.42 ± 2.92 | 7.60 ± 1.24 |