**Supplemetary File 3**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **β-subunit** | **B** | **SE-B** | **Y-int.** | **SE-Y** | **R2** | **LOD** | **LOQ** | **E (%)** |
| β1 | -3.246 | 0.009 | 35.15 | 0.13 | 0.997  | 5  | 100  | 103 |
| β2 | -3.382 | 0.024 | 37.81 | 0.24 | 0.996 | 5  | 30  | 98 |
| β3 | -3.263 | 0.032 | 35.30 | 0.16 | 0.995  | 5  | 50  | 103 |
| β4 | -3.231 | 0.032 | 36.48 | 0.38 | 0.994  | 10  | 100  | 104 |
| β2a | -3.283 | 0.037 | 35.04 | 0.54 | 0.981 | 10 | 100 | 101 |
| β2b | -3.334 | 0.070 | 34.36 | 0.14 | 0.990 | 10 | 120 | 99 |
| β2c+d | -3.160 | 0.023 | 35.78 | 0.02 | 0.998 | 5 | 20 | 107 |
| β2e | -3.070 | 0.005 | 35.30 | 0.12 | 0.993 | 5 | 50 | 111 |