

SUPPLEMENTARY TABLE 1

Effect of the subtraction methods on the COV

| Mouse | First Scan %ID/g | Second scan %ID/g calculated by subtracting the residual activity from the first scan | COV | Second scan %ID/g calculated by subtracting the residual activity from the delayed scan | COV |
|-------|------------------|---|-----------------|---|-----------------|
| 2 | 5.0 | 5.0 | 0.5 | 5.2 | 2.6 |
| 5 | 5.1 | 5.2 | 2.3 | 5.3 | 3.1 |
| 7 | 4.3 | 6.4 | 27.1 | 6.3 | 26.7 |
| 12 | 3.1 | 3.7 | 13.5 | 3.7 | 12.3 |
| 18 | 6.5 | 4.8 | 20.4 | 5.0 | 18.1 |
| 22 | 4.3 | 4.6 | 4.7 | 4.7 | 6.0 |
| 23 | 5.4 | 3.6 | 28.8 | 3.6 | 28.2 |
| | | Mean \pm SD | 13.9 \pm 11.8 | Mean \pm SD | 13.9 \pm 10.7 |