**Table S5.** Anti-inflammatory activity prediction

|  |  |  |
| --- | --- | --- |
| **Peptide ID** | **Combined RF Score** | **Prediction** |
| 1 3 4 5 8 9 11 13 17 20 22 24 26 29 30 42 44 53 55 60 67 68 69 70 71 | 0.378 0.362 0.263 0.276 0.283 0.270 0.274 0.290 0.290 0.263 0.374 0.462 0.378 0.284 0.346 0.301 0.383 0.293 0.277 0.310 0.302 0.288 0.395 0.245 0.281 | Low Confidence AIP Low Confidence AIP negative AIP negative AIP negative AIP negative AIP negative AIP negative AIP negative AIP negative AIP Low Confidence AIP Medium Confidence AIP Low Confidence AIP negative AIP Low Confidence AIP negative AIP Low Confidence AIP negative AIP negative AIP negative AIP negative AIP negative AIP Medium Confidence AIP negative AIP negative AIP |
| **Peptide ID** | **Combined RF Score** | **Prediction** |
| 10 25 49 | 0.523 0.394 0.455 | High Confidence AIP Medium Confidence AIP Medium Confidence AIP |

**Legend**

|  |  |  |  |
| --- | --- | --- | --- |
| **Label** | **Score range** | **Sensitivity** | **Specificity** |
| **High Confidence** | **Score ≥ 0.468** | **63.22%** | **90.30%** |
| **Medium Confidence** | **0.468 > Score ≥ 0.388** | **71.90%** | **80.11%** |
| **Low Confidence** | **0.388 >Score ≤ 0.342** | **78.39%** | **70.87%** |