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

|  |  |  |
| --- | --- | --- |
| **Peptide ID** | **Combined RF Score** | **Prediction** |
| 13458911131720222426293042445355606768697071 | 0.3780.3620.2630.2760.2830.2700.2740.2900.2900.2630.3740.4620.3780.2840.3460.3010.3830.2930.2770.3100.3020.2880.3950.2450.281 | Low Confidence AIPLow Confidence AIPnegative AIPnegative AIPnegative AIPnegative AIPnegative AIPnegative AIPnegative AIPnegative AIPLow Confidence AIPMedium Confidence AIPLow Confidence AIPnegative AIPLow Confidence AIPnegative AIPLow Confidence AIPnegative AIPnegative AIPnegative AIPnegative AIPnegative AIPMedium Confidence AIPnegative AIPnegative AIP |
| **Peptide ID** | **Combined RF Score** | **Prediction** |
| 102549 | 0.5230.3940.455 | High Confidence AIPMedium Confidence AIPMedium 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%** |