| Number | Isoelectric point | Instability  | Water solubility | Toxin | Hydrophobicity (kcal/mol) | Novel | Aliphatic index |
|--------|------------------|--------------|------------------|-------|--------------------------|-------|----------------|
| P1     | 5.97             | 32.83        | Good             | Non   | 12.49                    | Novel | 158.75         |
| P2     | 8.75             | -7.67        | Poor             | Non   | 9.05                     | Novel | 97.14          |
| P3     | 6.12             | 118.50       | Good             | Non   | 23.86                    | Novel | 43.33          |
| P4     | 4.56             | 4.16         | Good             | Non   | 21.91                    | Novel | 43.33          |
| P5     | 8.63             | 41.22        | Good             | Non   | 14.20                    | Novel | 108.89         |
| P6     | 8.47             | 44.00        | Poor             | Non   | 10.73                    | Novel | 43.33          |
| P7     | 3.93             | 15.43        | Good             | Non   | 19.56                    | Novel | 55.71          |
| P8     | 4.21             | 8.57         | Good             | Non   | 16.44                    | Novel | 55.71          |
| P9     | 4.21             | 22.21        | Good             | Non   | 15.48                    | Novel | 146.25         |
| P10    | 5.08             | 7.47         | Poor             | Non   | 14.01                    | Novel | 68.00          |
| P11    | 3.98             | 90.77        | Good             | Non   | 29.22                    | Novel | 58.00          |
| P12    | 4.25             | 70.21        | Good             | Non   | 21.96                    | Novel | 72.50          |
| P13    | 9.75             | 59.75        | Poor             | Non   | 8.31                     | Novel | 85.00          |
| P14    | 4.20             | 32.83        | Good             | Non   | 15.46                    | Novel | 133.75         |
| P15    | 8.35             | -5.82        | Good             | Non   | 15.72                    | Novel | 87.67          |
| P16    | 6.12             | 107.65       | Good             | Non   | 25.01                    | Novel | 39.00          |
| P17    | 4.23             | -9.72        | Good             | Non   | 25.53                    | Novel | 68.00          |
| P18    | 4.79             | 58.17        | Good             | Non   | 23.05                    | Novel | 58.00          |
| P19    | 5.21             | 16.65        | Good             | Non   | 22.64                    | Novel | 39.00          |
| P20    | 5.08             | 14.61        | Poor             | Non   | 11.90                    | Novel | 111.43         |
| P21    | 8.43             | 12.82        | Good             | Non   | 21.33                    | Novel | 107.00         |
| P22    | 8.47             | 15.70        | Good             | Non   | 21.33                    | Novel | 107.00         |
| P23    | 5.99             | 17.39        | Good             | Non   | 19.00                    | Novel | 43.33          |
| P24    | 8.43             | 16.33        | Good             | Non   | 20.83                    | Novel | 107.78         |
| P25    | 8.59             | 62.02        | Good             | Non   | 14.71                    | Novel | 136.00         |
| P26    | 4.37             | 80.34        | Good             | Non   | 16.79                    | Novel | 0.00           |
| P27    | 6.00             | 66.78        | Poor             | Non   | 11.72                    | Novel | 88.00          |
| P28    | 10.00            | 33.26        | Good             | Non   | 13.76                    | Novel | 61.25          |
| P29    | 4.53             | 100.96       | Good             | Non   | 18.87                    | Novel | 43.33          |
| P30    | 5.08             | 7.19         | Poor             | Non   | 12.86                    | Novel | 75.56          |

Notes: The instability value <40 means that the structure of peptide is stable.