|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Region** | **Start** | **End** | **Compound class** | **Most similar known cluster** | **Similarity** |
| Region 1 | 102,380 | 111,920 | bacteriocin |  |  |
| Region 2 | 183,913 | 206,439 | lassopeptide | citrullassin D | 80% |
| Region 3 | 217,817 | 238,182 | LAP | murayaquinone | 3% |
| **Region 4** | **781,840** | **821,078** | **thiopeptide, LAP** | **GE2270A** | **100%** |
| Region 5 | 1,391,331 | 1,455,396 | NRPS | coelibactin | 36% |
| Region 6 | 1,857,003 | 1,907,498 | NRPS, T1PKS | crochelin A | 7% |
| Region 7 | 2,001,822 | 2,044,462 | NRPS | tetronasin | 5% |
| Region 8 | 3,219,426 | 3,239,019 | terpene | streptobactin | 11% |
| Region 9 | 3,432,943 | 3,476,008 | NRPS | aristeromycin | 9% |
| Region 10 | 3,634,741 | 3,657,603 | LAP, bacteriocin | A54145 | 5% |
| Region 11 | 3,691,229 | 3,756,669 | NRPS |  |  |
| Region 12 | 3,896,387 | 3,957,440 | NRPS, T1PKS | crochelin A | 11% |
| Region 13 | 4,312,406 | 4,332,834 | terpene | isorenieratene | 28% |
| Region 14 | 4,580,264 | 4,600,230 | terpene | geosmin | 100% |
| Region 15 | 4,861,587 | 4,902,660 | T3PKS | alkylresorcinol | 100% |
| Region 16 | 5,132,110 | 5,220,468 | NRPS, T1PKS | crochelin A | 7% |
| Region 17 | 5,414,011 | 5,436,635 | lanthipeptide | catenulipeptin | 60% |
| Region 18 | 5,525,854 | 5,594,004 | NRPS | glycinocin A | 9% |
| Region 19 | 5,912,385 | 5,933,383 | terpene |  |  |
| **Region 20** | **6,406,368** | **6,472,286** | **NRPS** | **streptobactin** | **58%** |
| Region 21 | 6,664,465 | 6,712,215 | NRPS | theonellamide | 13% |
| Region 22 | 6,742,733 | 6,770,809 | thiopeptide, LAP |  |  |
| Region 23 | 6,798,046 | 6,890,589 | T1PKS | sceliphrolactame | 56% |
| Region 24 | 7,266,706 | 7,280,076 | siderophore |  |  |
| Region 25 | 7,440,353 | 7,451,159 | bacteriocin |  |  |
| Region 26 | 7,716,564 | 7,763,022 | T1PKS | kistamicin A | 8% |
| Region 27 | 8,097,255 | 8,153,658 | NRPS | erythrochelin | 85% |

**Supplementary Table 1 –** Summary of the biosynthetic gene clusters predicted by antiSMASH v5.1.2 in *P. rosea*.