**LIST 1** (high priority)

Conditions:

|  |  |  |
| --- | --- | --- |
| Num. of overlapsof an overlapping regions | Num. of genes (*n*)inside those regions |  |
| 8 | 1 ≤ *n* ≥ 5 | List 1 |
| 7 | 1 ≤ *n* ≥ 5 | List 1 |
| 6 | 1 ≤ *n* ≥ 5 | List 1 |
| 5 | 1 ≤ *n* ≥ 5 | List 1 |
| 4 | 1 ≤ *n* ≥ 5 | List 1 |
| 3 | 1 ≤ *n* ≥ 5 | List 1 |
| 2 | 1 ≤ *n* ≥ 5 | List 1 |

DEL/List1: 126

DUP/List1: 92

**LIST 2**

Conditions:

|  |  |  |
| --- | --- | --- |
| Num. of overlapsof an overlapping regions | Num. of genes (*n*)inside those regions |  |
| 8 | *n* ≥ 6 | List 2 |
| 7 | *n* ≥ 6 | List 2 |
| 6 | *n* ≥ 6 | List 2 |
| 5 | *n* ≥ 6 | List 2 |
| 4 | *n* ≥ 6 | List 2 |
| 3 | *n* ≥ 6 | List 2 |
| 2 | *n* ≥ 6 | List 2 |

DEL/List2: 1486

DUP/List2: 1789

**LIST 3**

Conditions:

|  |  |  |
| --- | --- | --- |
| Num. of overlapsof an overlapping regions | Num. of genes (*n*)inside those regions |  |
| 1 | *n* ≥ 1 | List 3 |

DEL/List3: 4113

DUP/List3: 4037