**GO functional annotations and the number of differentially expressed genes statistics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GO ID** | **GO Term** | **Term Type** | **Longmu801\_****vs\_ Sardi****number** | **Longmu801\_vs\_Sardi percent** |
| GO:0065007 | biological regulation | biological\_process | 28 | 28/ 150 |
| GO:0008152 | metabolic process | biological\_process | 65 | 65/ 150 |
| GO:0022414 | reproductive process | biological\_process | 2 | 2/ 150 |
| GO:0000003 | reproduction | biological\_process | 1 | 1/ 150 |
| GO:0009987 | cellular process | biological\_process | 75 | 75/ 150 |
| GO:0032502 | developmental process | biological\_process | 3 | 3/ 150 |
| GO:0044419 | biological process involved in interspecies interaction between organisms | biological\_process | 2 | 2/ 150 |
| GO:0040007 | growth | biological\_process | 1 | 1/ 150 |
| GO:0051179 | localization | biological\_process | 8 | 8/ 150 |
| GO:0050896 | response to stimulus | biological\_process | 31 | 31/ 150 |
| GO:0032991 | protein-containing complex | cellular\_component | 4 | 4/ 150 |
| GO:0110165 | cellular anatomical entity | cellular\_component | 85 | 85/ 150 |
| GO:0045182 | translation regulator activity | molecular\_function | 2 | 2/ 150 |
| GO:0140110 | transcription regulator activity | molecular\_function | 11 | 11/ 150 |
| GO:0005198 | structural molecule activity | molecular\_function | 4 | 4/ 150 |
| GO:0140657 | ATP-dependent activity | molecular\_function | 3 | 3/ 150 |
| GO:0044183 | protein folding chaperone | molecular\_function | 1 | 1/ 150 |
| GO:0016209 | antioxidant activity | molecular\_function | 5 | 5/ 150 |
| GO:0005215 | transporter activity | molecular\_function | 6 | 6/ 150 |
| GO:0098772 | molecular function regulator activity | molecular\_function | 6 | 6/ 150 |
| GO:0005488 | binding | molecular\_function | 75 | 75/ 150 |
| GO:0045735 | nutrient reservoir activity | molecular\_function | 1 | 1/ 150 |
| GO:0060089 | molecular transducer activity | molecular\_function | 3 | 3/ 150 |
| GO:0003824 | catalytic activity | molecular\_function | 85 | 85/ 150 |