**Table S4. Functional clustering of antisense host genes**

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| --- | --- | --- |
| ID | Associated Network Functions | Score |
| 1 | DNA Replication, Recombination, and Repair, Energy Production, Nucleic Acid Metabolism | 39 |
| 2 | Post-Translational Modification, Hereditary Disorder, Neurological Disease | 37 |
| 3 | Hereditary Disorder, Ophthalmic Disease, Nervous System Development and Function | 37 |
| 4 | Nervous System Development and Function, Cell Signaling, Cell-To-Cell Signaling and Interaction | 37 |
| 5 | RNA Post-Transcriptional Modification, RNA Damage and Repair, Amino Acid Metabolism | 36 |