

Table SI. Top 10 significant terms with regard to virus infection in GO and KEGG pathways.

Category	Term	Number	P-value
GO - biological process	Response to virus	GO:0009615	2.03x10 <sup>-19</sup>
	Defense response to virus	GO:0051607	3.42x10 <sup>-19</sup>
GO - molecular function	Double-stranded RNA binding	GO:0003725	5.30x10 <sup>-6</sup>
	Oxygen binding	GO:0019825	1.00x10 <sup>-5</sup>
	GTPase activity	GO:0003924	3.24x10 <sup>-5</sup>
KEGG	Viral protein interaction with cytokine and cytokine receptor	mmu04061	4.99x10 <sup>-6</sup>
	Measles	mmu05162	2.66x10 <sup>-5</sup>
	Hepatitis C	mmu05160	7.58x10 <sup>-5</sup>
	Influenza A	mmu05164	1.13x10 <sup>-4</sup>
	Epstein-Barr virus infection	mmu05169	2.83x10 <sup>-4</sup>

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GO, Gene Ontology; KEGG, Kyoto Encyclopedia of Genes and Genomes.

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