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# **Delineating the roles of cellular and innate antiviral immune parameters mediating ranavirus susceptibility using rainbow trout cell lines**

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## **Highlights**

- Two rainbow trout cell lines demonstrated contrasting susceptibility to FV3
- RTG-2 (susceptible) died more quickly, produced more virus but could not complete apoptosis
- Type I interferons could not limit FV3 induced cell death and replication was not required for FV3 induced cytotoxicity
- FV3 demonstrated significantly higher entry rates in RTG-2 compared to the resistant cell line, RTgutGC
- FV3 is highly manipulative of its host cell's innate immune responses

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