

## **Supplementary information for**

### **Title**

Protective role of TNF- $\alpha$ , IL-10 and IL-2 in mice infected with the Oshima strain of Tick-borne encephalitis virus

### **Authors**

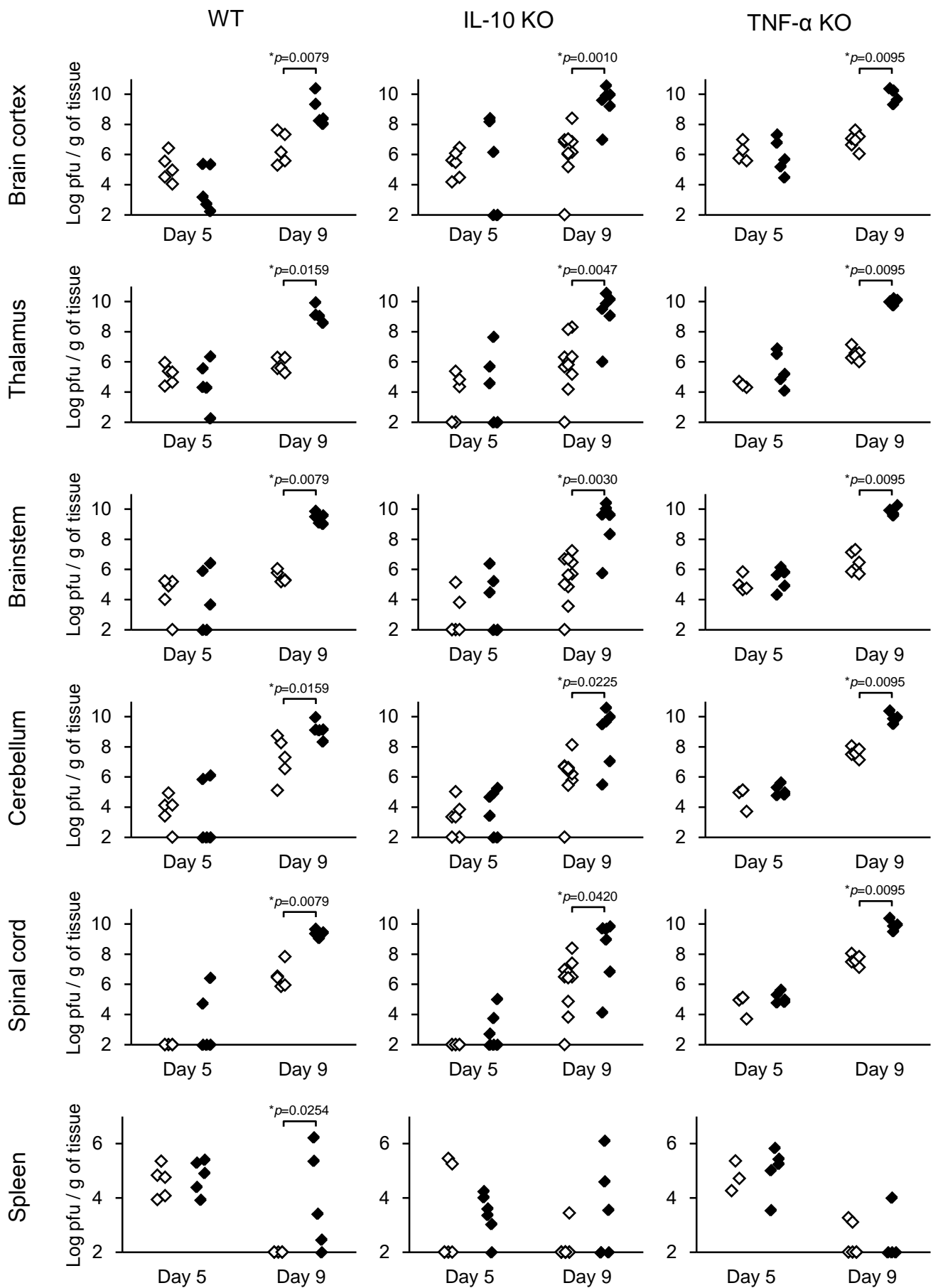
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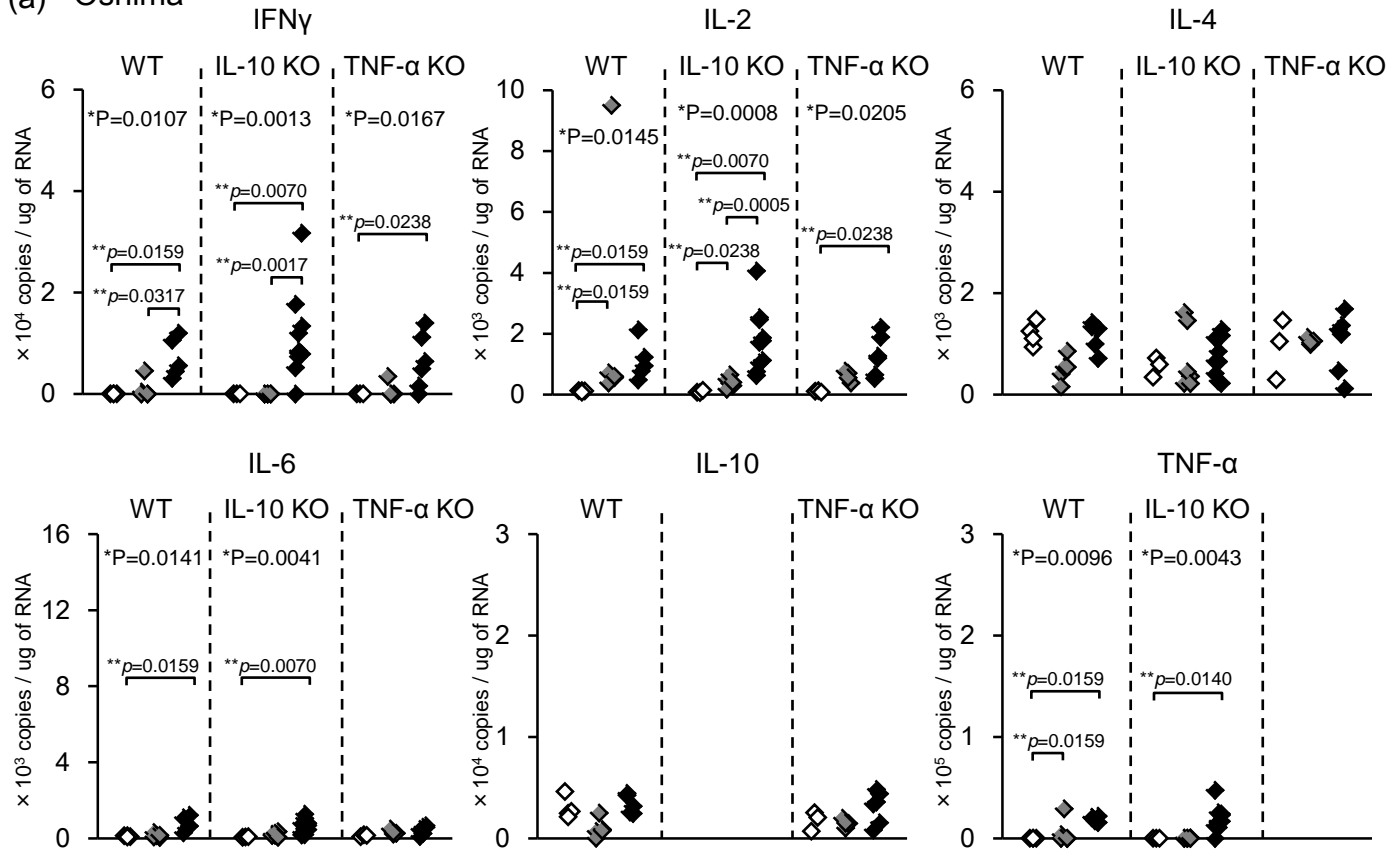
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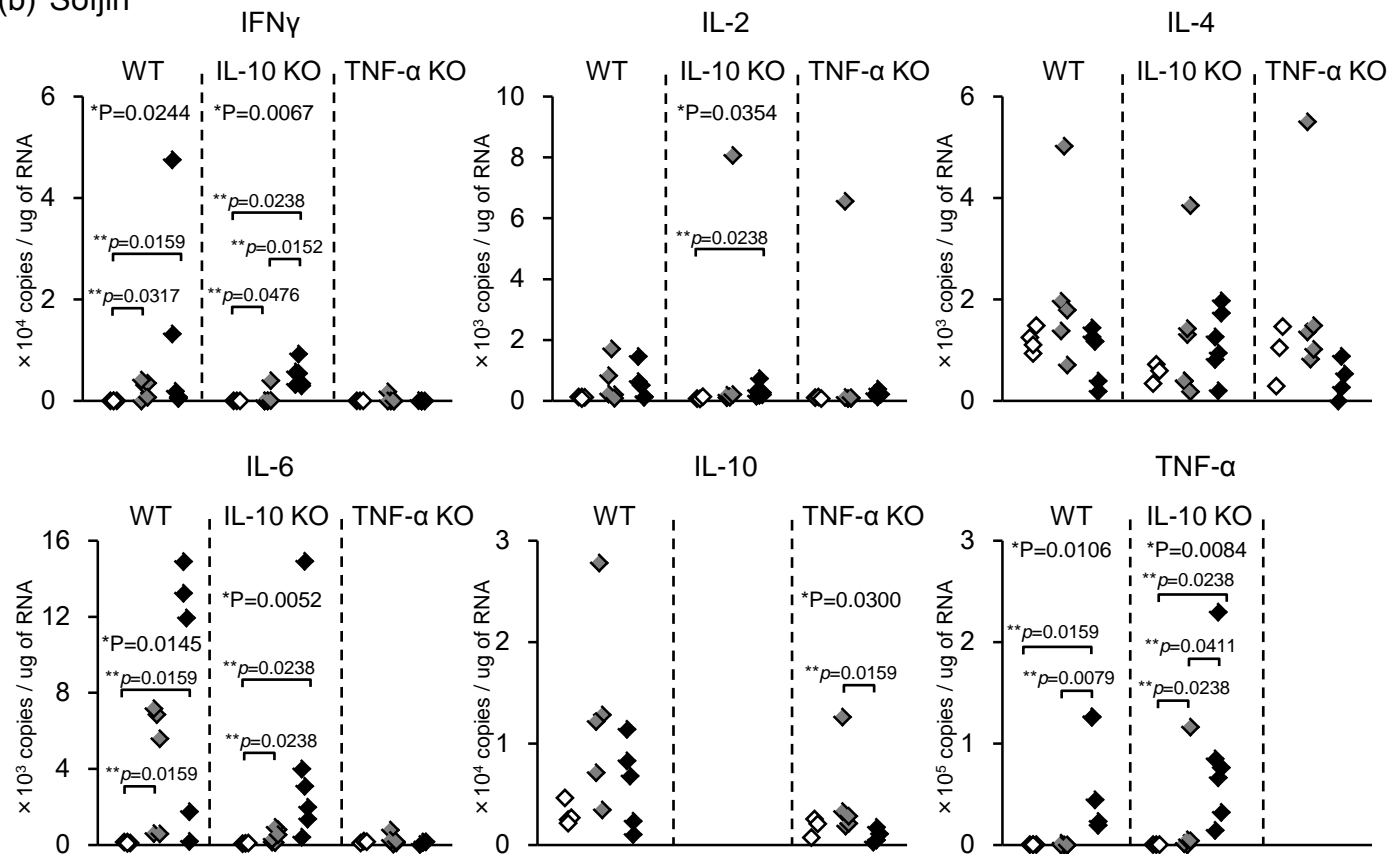
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## (a) Oshima

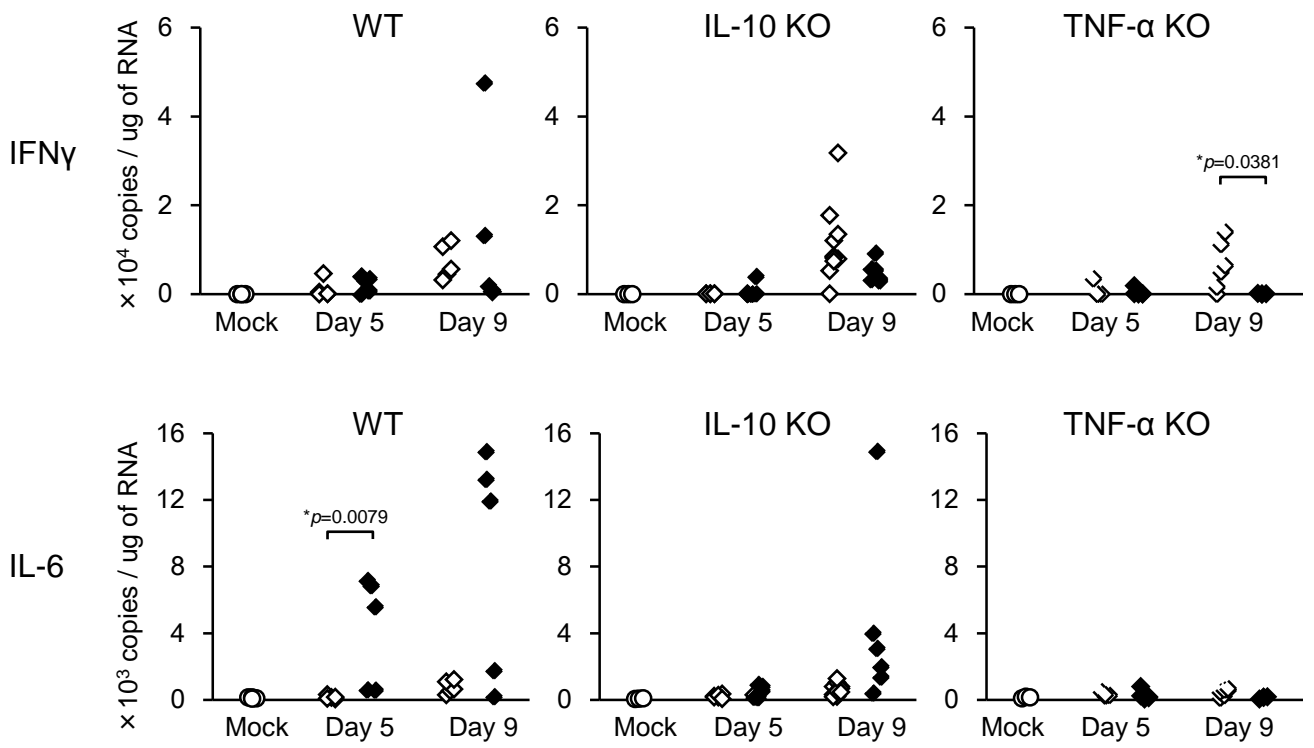


## (b) Sofjin



Supplementary figure 3

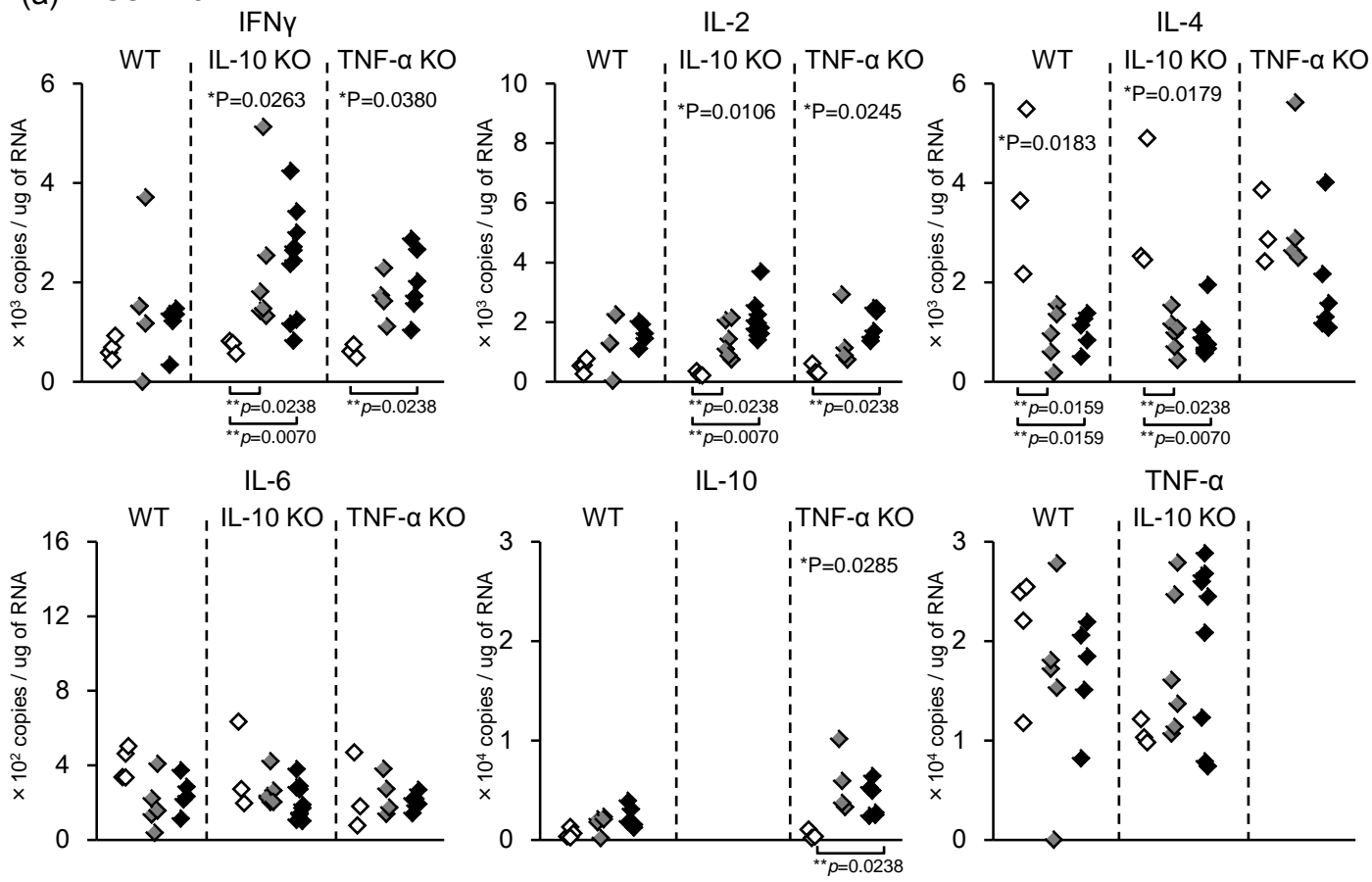
○ Mock ◇ Oshima ◇ Sofjin



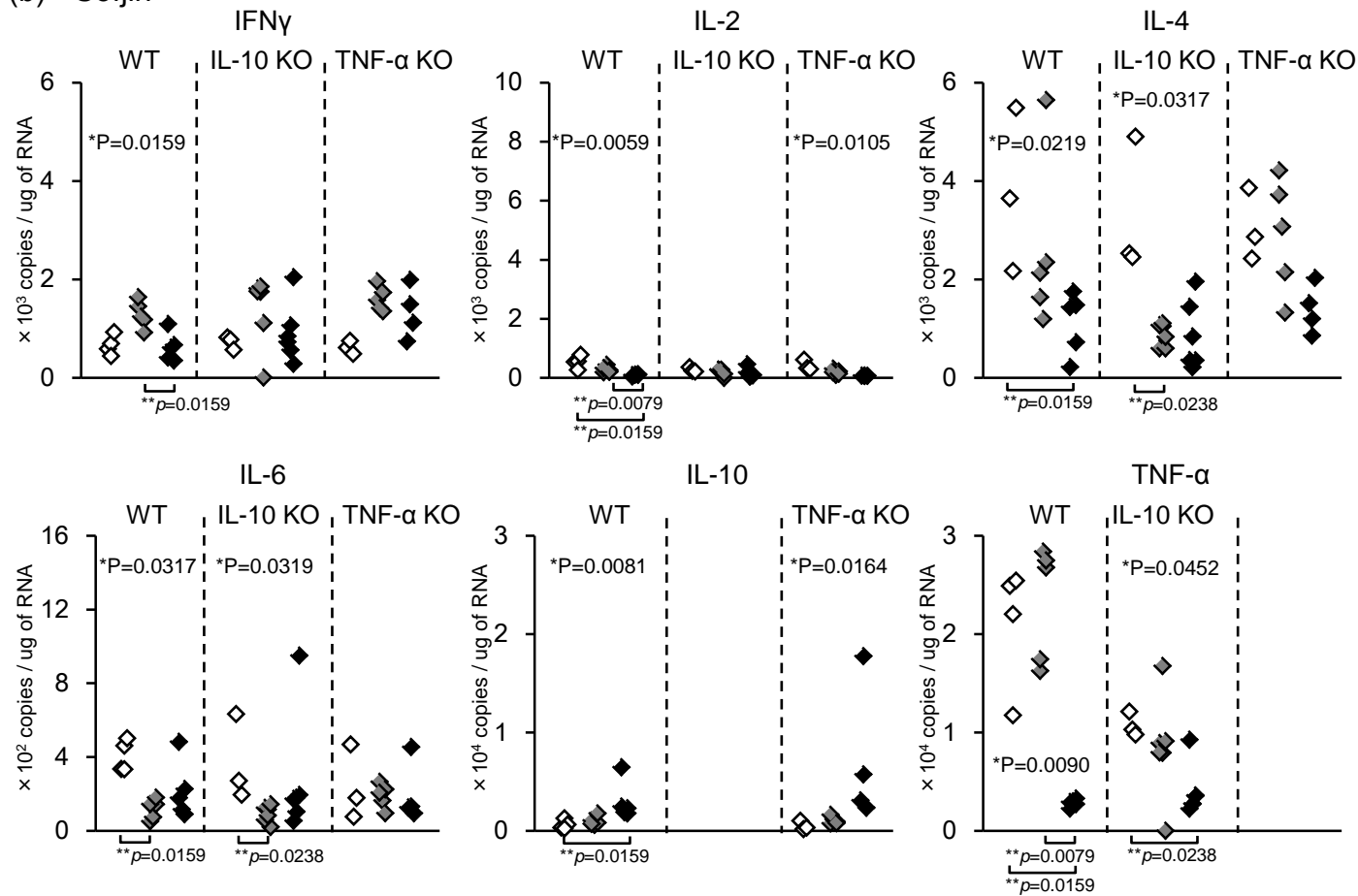
Supplementary figure 4

◇ Mock ◇ Day 5 ◇ Day 9

(a) Oshima

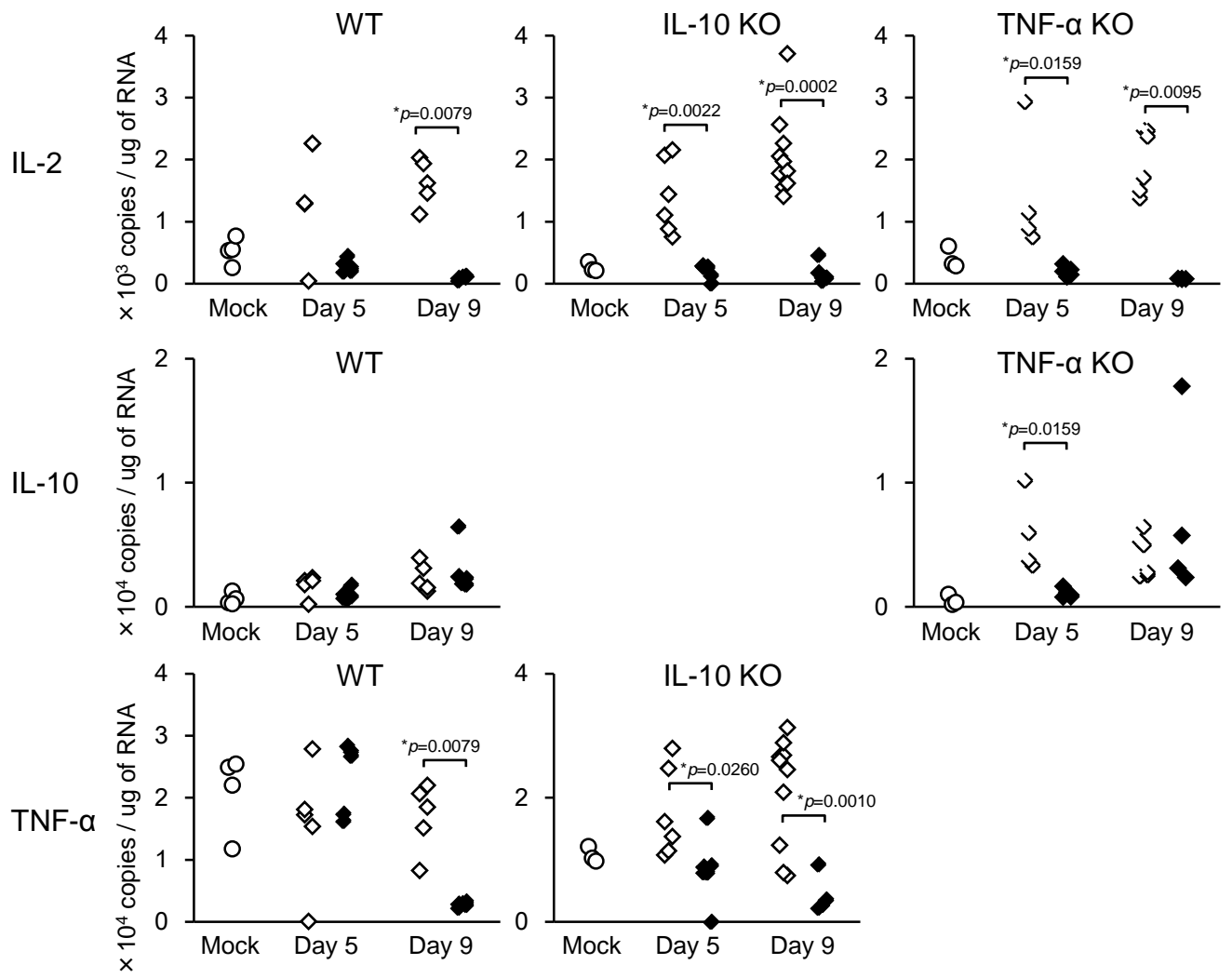


(b) Sofjin



Supplementary figure 5

○ Mock ◇ Oshima ◇ Sofjin



Supplementary table

	TBEV strain	IFN $\gamma$	IL-2	IL-4	IL-6	IL-10	TNF- $\alpha$	
Brain	WT	Oshima	↑	↑	—	↑	—	↑
		Sofjin	↑	—	—	↑	—	↑
	IL-10 KO	Oshima	↑	↑	—	↑	ND	↑
		Sofjin	↑	↑	—	↑	ND	↑
	TNF- $\alpha$ KO	Oshima	↑	↑	—	—	—	ND
		Sofjin	—	—	—	—	—	ND
Spleen	WT	Oshima	—	—	↓	—	—	—
		Sofjin	↑	↓	↓	↓	↑	↓
	IL-10 KO	Oshima	↑	↑	↓	—	ND	—
		Sofjin	—	—	↓	↓	ND	↓
	TNF- $\alpha$ KO	Oshima	↑	↑	—	—	↑	ND
		Sofjin	—	↓	—	—	↑	ND