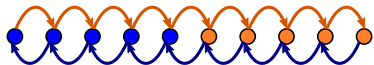


**A** Serial model



**B** Two-state model

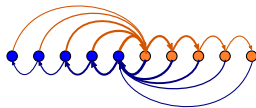


**C** Multistate model

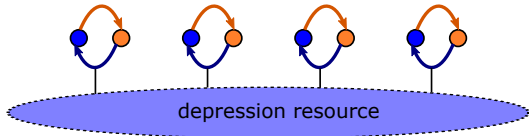


**D**

Cascade model

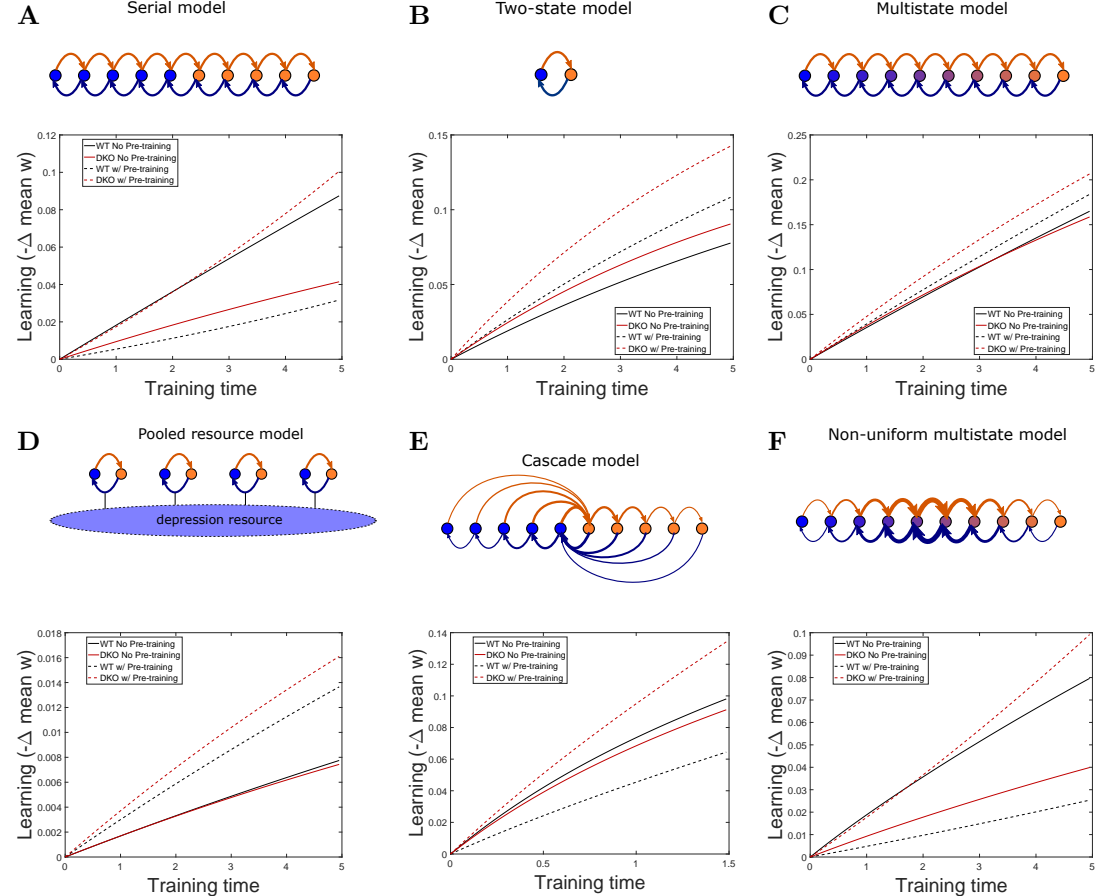


**E** Pooled resource model



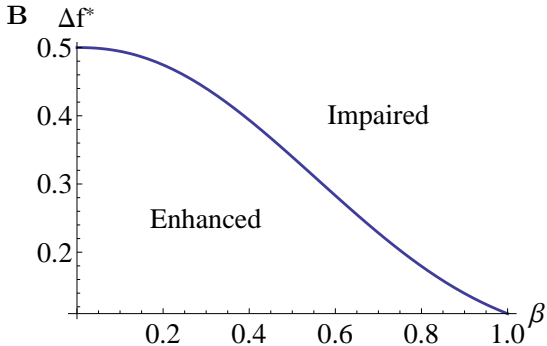
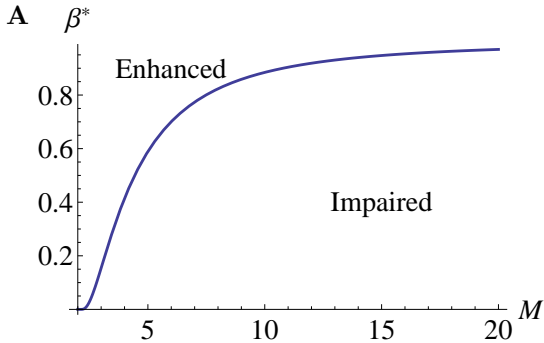
**F** Non-uniform multistate model



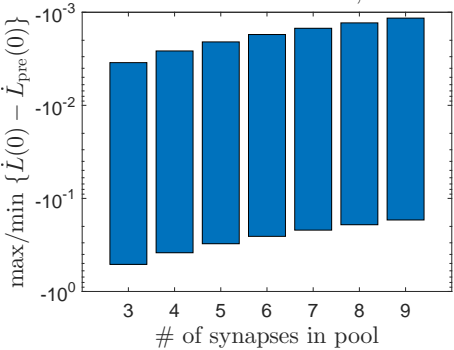


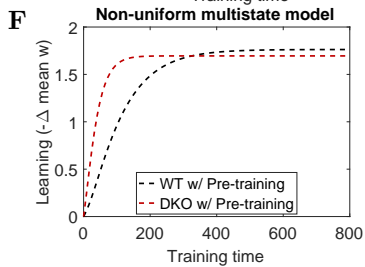
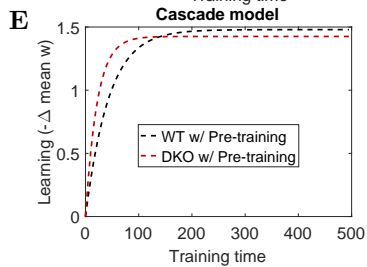
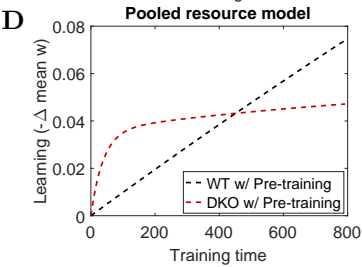
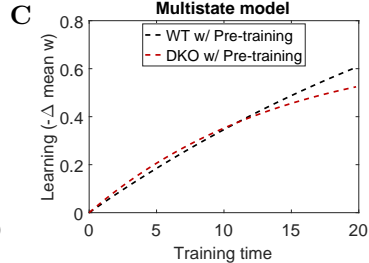
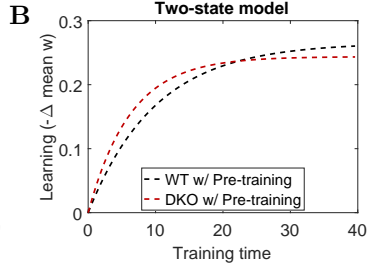
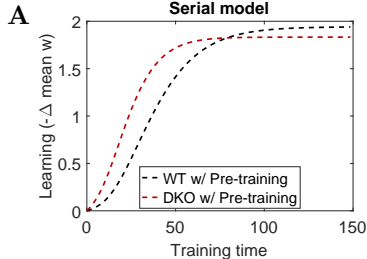
**G**

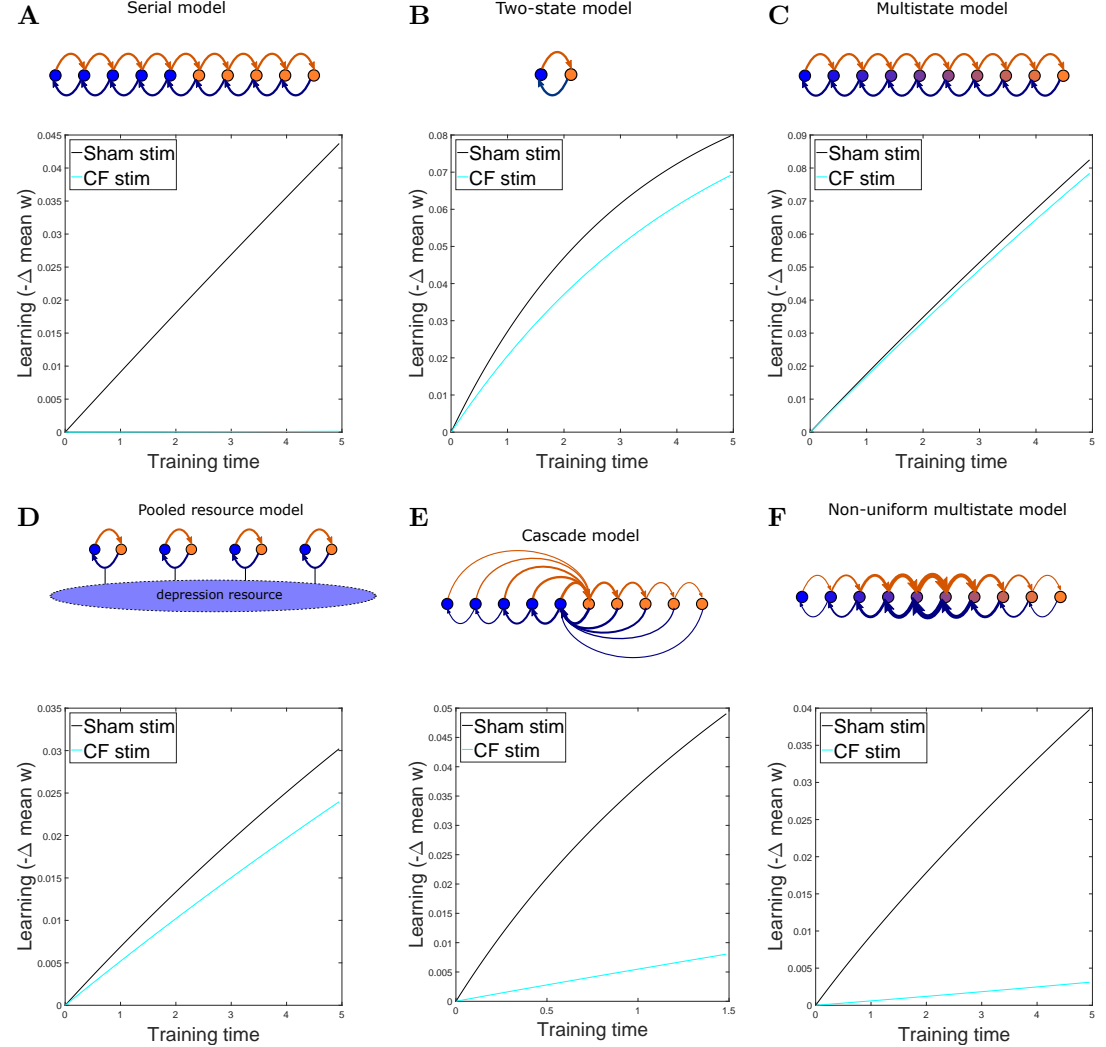
Model	# states	Plasticity parameter			$f_{\text{dep}}$			$rt_{\text{pre}}$
		pot	WT dep	DKO dep	base	inc	dec	
Serial	10	0.12	0.14	0.2	0.5	0.89	0.11	100
Two-state	2	0.1	0.1	0.2	0.5	0.6	0.4	5
Multistate	10	0.3	0.3	0.4	0.5	0.8	0.2	5
Pooled res.	7	0.008	[0.0006, 0.6]	[0.001, 1]	0.5	0.9	0.1	20
Cascade	14	0.386	0.398	0.466	0.522	0.63	0.002	200
Non-uni.	12	0.4	0.4	0.53	0.5	0.7	0.1	500



# Pooled resource model, WT

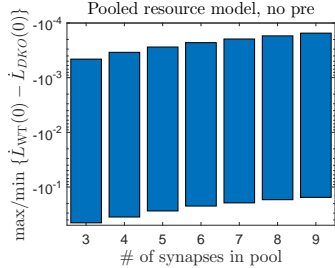
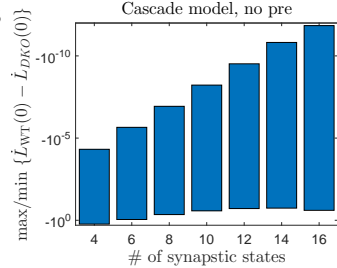






**G**

Model	# states	Plasticity param.		$f^{\text{dep}}$			$rt_{\text{pre}}$
		pot	dep	base	inc	CF Stim	
Serial	10	0.12	0.14	0.5	0.89	0.9879	100
Two-state	2	0.1	0.4	0.5	0.7	0.91	5
Multistate	10	0.3	0.3	0.5	0.8	0.96	5
Pooled res.	7	0.08	[0.006, 0.6]	0.5	0.9	0.99	20
Cascade	14	0.386	0.398	0.522	0.63	0.99	200
Non-uni.	12	0.4	0.4	0.5	0.7	0.99	500

**A****B****C**