Rat	Date	Drug	Maze	Reward
R175				
	07/15/2009	CPP	RLL	R-A
	07/16/2009	Wash	LLR	L-A
	07/17/2009	DCS	RLR	R-L
	07/18/2009	Wash	RRL	A-R
	07/19/2009	Saline	LLR	A-R
	07/20/2009	Wash	RLR	L-R
	07/24/2009	Wash	RLR	R-A
	07/25/2009	Saline	RLR	A-L
	07/26/2009	Wash	LRL	R-L
R176				
	07/15/2009	Saline	RLL	A-R
	07/16/2009	Wash	LRL	R-L
	07/17/2009	CPP	RLR	L-A
	07/18/2009	Wash	LLR	L-R
	07/19/2009	DCS	LRL	L-R
	07/20/2009	Wash	RRL	A-L
	07/24/2009	Wash	RRL	R-L
	07/25/2009	DCS	RLR	R-A
	07/26/2009	Wash	LRL	L-A
R177				
	07/15/2009	DCS	LLR	A-L
	07/16/2009	Wash	LRL	A-R
	07/17/2009	Saline	LRL	L-R
	07/18/2009	Wash	RLR	L-A
	07/19/2009	CPP	RLR	L-A
	07/20/2009	Wash	RLR	R-A
	07/24/2009	Wash	LRL	L-R
	07/25/2009	CPP	LRL	A-R
	07/26/2009	Wash	RLR	A-L

Grayed-out days were not analyzed due to corrupted tracking data.

Red days were not included due to repeated mazes.

Rat	Date	Drug	Maze	Reward
R179				
	08/19/2009	CPP	RRL	R-A
	08/20/2009	Wash	LRL	R-L
	08/21/2009	DCS	RRL	A-R
	08/22/2009	Wash	LLR	L-R
	08/23/2009	Saline	LRL	A-L
	08/24/2009	Wash	LLR	L-A
R180				
	08/19/2009	Saline	RLR	A-R
	08/20/2009	Wash	LRL	L-A
	08/21/2009	CPP	LLR	L-R
	08/22/2009	Wash	LRL	A-L
	08/23/2009	DCS	RLR	R-A
	08/24/2009	Wash	RRL	R-L
R181				
	08/19/2009	DCS	LLR	A-L
	08/20/2009	Wash	RLR	A-R
	08/21/2009	Saline	LRL	L-A
	08/22/2009	Wash	LLR	R-A
	08/23/2009	CPP	RLR	L-R
	08/24/2009	Wash	LLR	R-L

Table S1: Sequence of behavioral testing for each rat. A change in protocol was made due to an accidental maze repeat in the last drug day for the first group of rats (n=3) (e.g.. a sequence such as alternate to left was run on a wash day and the subsequent drug day). To account for this error a repeat of the last three day sequence was done with new counterbalanced maze sequences. A total of 9 experimental days were run, with 4 drug days and 5 wash days for the first 3 rats tested. The second group of rats tested (n=3) were run on the original six day sequence.

BEFORE SWITCH

Overall ANOVA, effect of

- Rat: p<0.0001
- Lap: p=0.0001
- Condition: p=0.0015

	WASH	CPP	DCS	SALINE
WASH				
CPP	**0.0021**			
DCS	0.0453	**0.0003**		
SALINE	0.2301	**0.0015**	0.2746	

AFTER SWITCH

Overall ANOVA, effect of

- Rat: p<0.0001
- Lap: p=0.5075
- Condition: p=0.0005

	WASH	CPP	DCS	SALINE
WASH				
CPP	**0.0018**			
DCS	**0.0076**	**0.0024**		
SALINE	0.0314	**0.0007**	0.3547	

Table S2: Significance of VTE pausing time ratios (CPtime/CTtime). Anovas were run over all rats and sessions (overall), and for each individual condition pair. All ANOVAs measured first-order effects. Boldfaced p-values on specific cross-conditions are significant at p=0.05 after Bonferronni correction of 6-tests (p<0.05/6, **p<0.0083.**)

BEFORE SWITCH

Overall ANOVA, effect of

- Rat: p=0.0108
- Lap: p<0.0001
- Condition: p=0.0002

	WASH	CPP	DCS	SALINE
WASH				
CPP	**0.0002**			
DCS	0.6254	**0.0005**		
SALINE	0.2361	**<0.0001**	0.8782	

AFTER SWITCH

Overall ANOVA, effect of

- Rat: p=0.0438
- Lap: p=0.0833
- Condition: p=0.0068

	WASH	CPP	DCS	SALINE
WASH				
CPP	**0.0038**			
DCS	**0.0070**	**0.0044**		
SALINE	0.0342	**0.0017**	0.3277	

Table S3: Significance of VTE categorizations measured over the first 30 laps pre and post switch in reward contingency. ANOVAs were run over all rats and sessions (overall), and for each individual condition pair. All ANOVAs measured first-order effects. Boldfaced p-values on specific cross-conditions are significant at p=0.05 after Bonferronni correction of 6-tests (p<0.05/6, **p<0.0083.**)

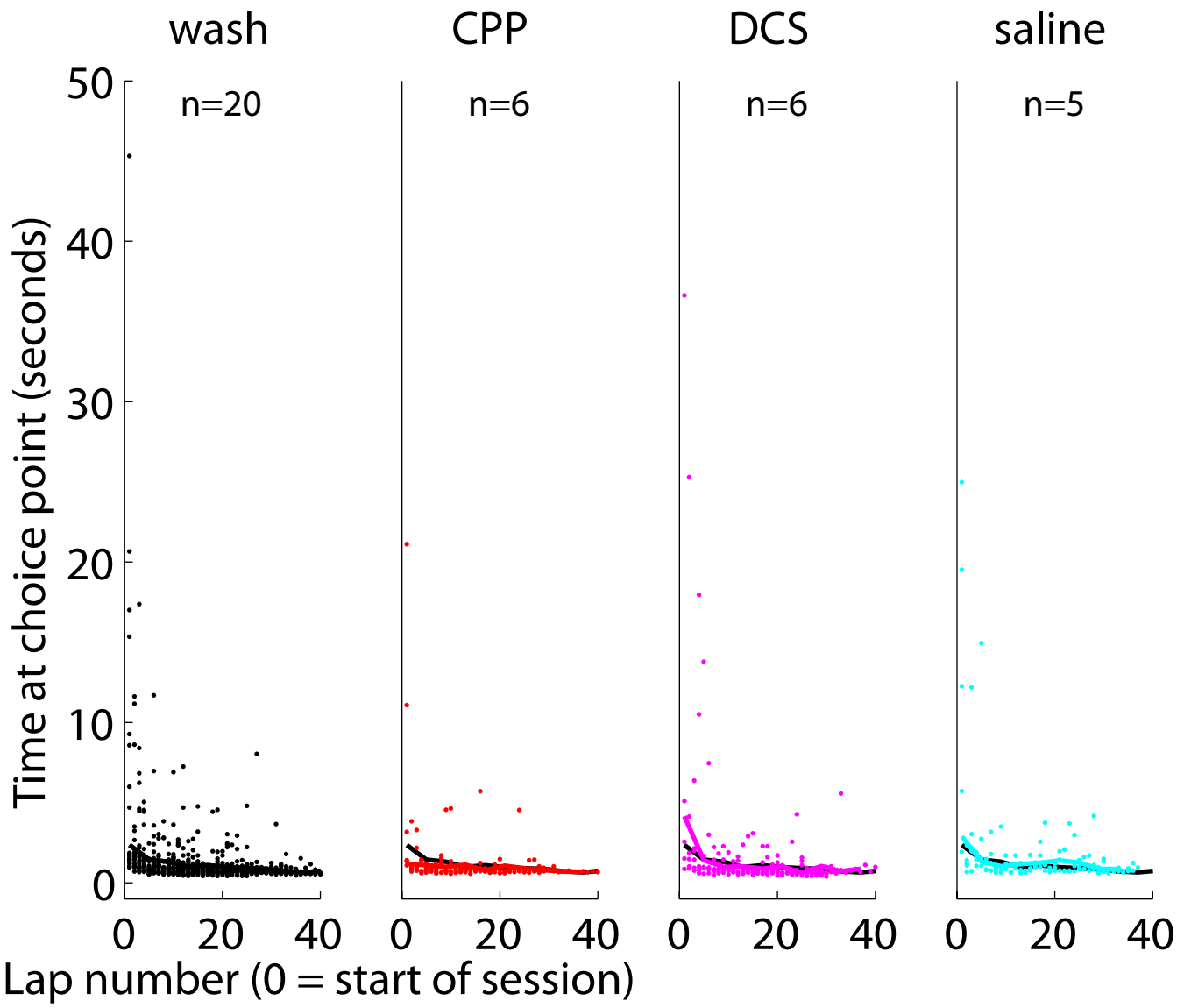

Figure S1a: Time at choice point by condition aligned to start of session. Only laps occuring before the contingency switch are included. The black line repeated on each panel is the average time for the wash condition.

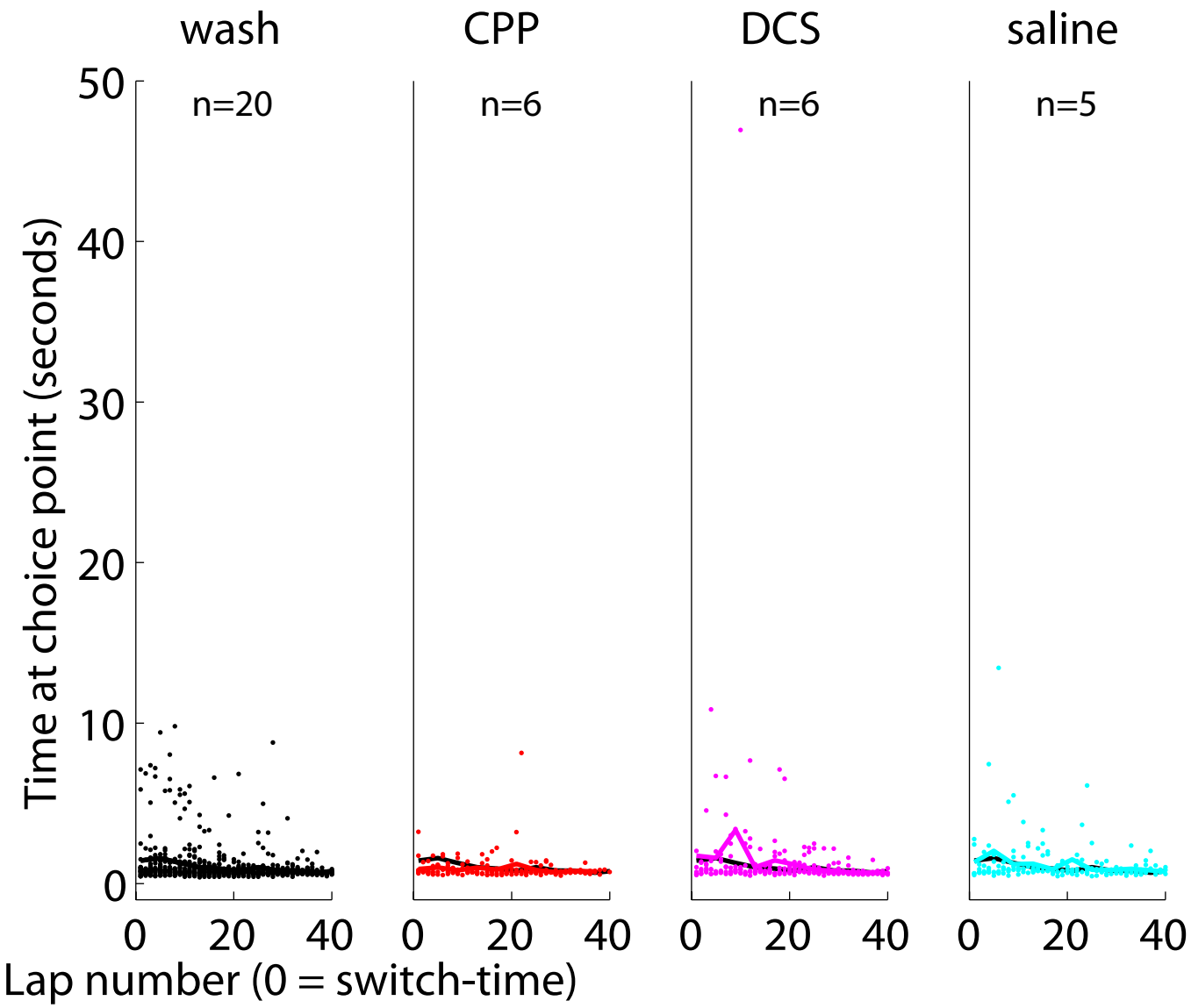

Figure S1b: Time at choice point by condition aligned to switch in reward contingency. Only laps occuring after the contingency switch are included. The black line repeated on each panel is the average time for the wash condition.

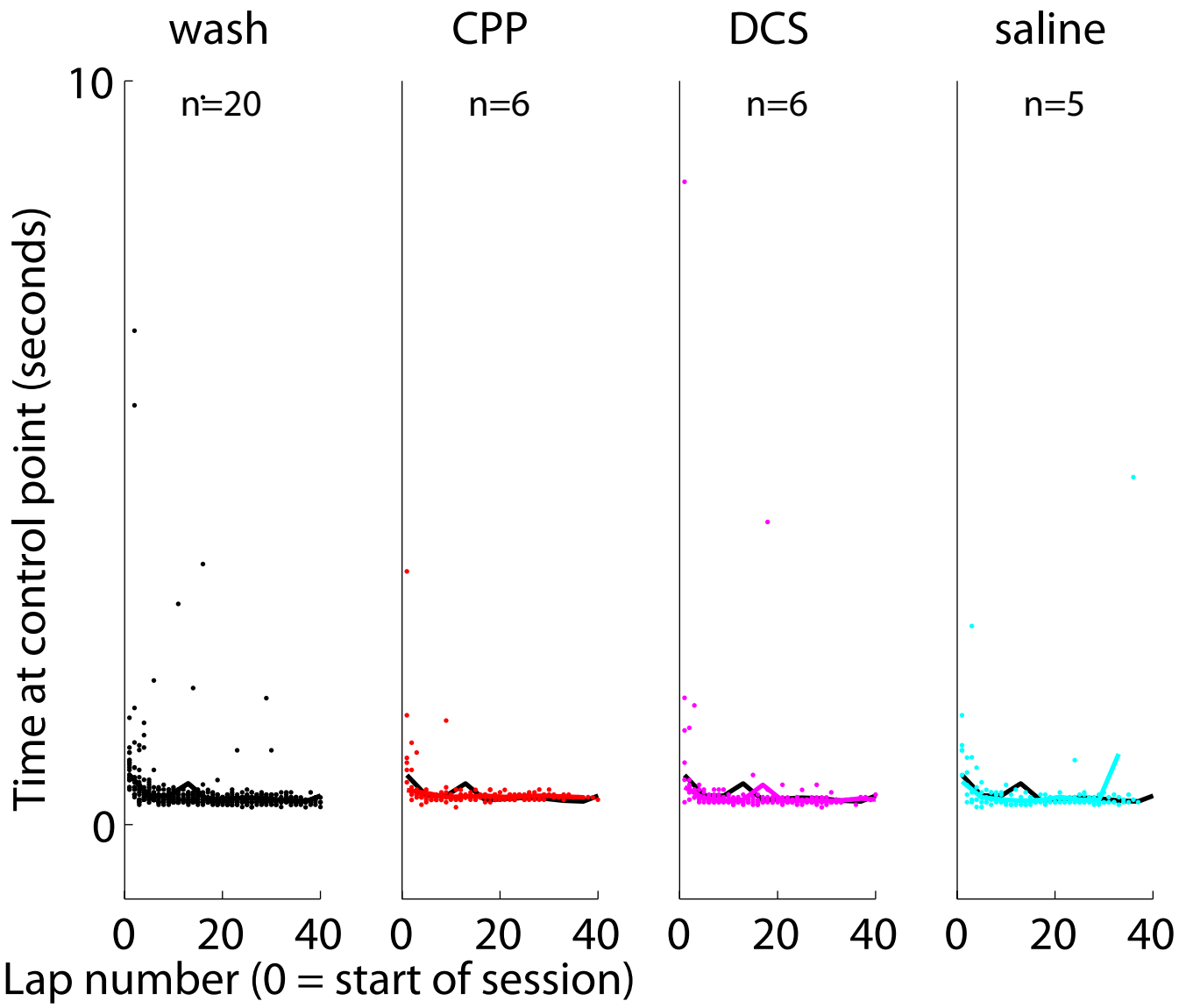

Figure S2a: Time at control point by condition aligned to start of session. Only laps occuring before the contingency switch are included. The black line repeated on each panel is the average time for the wash condition.

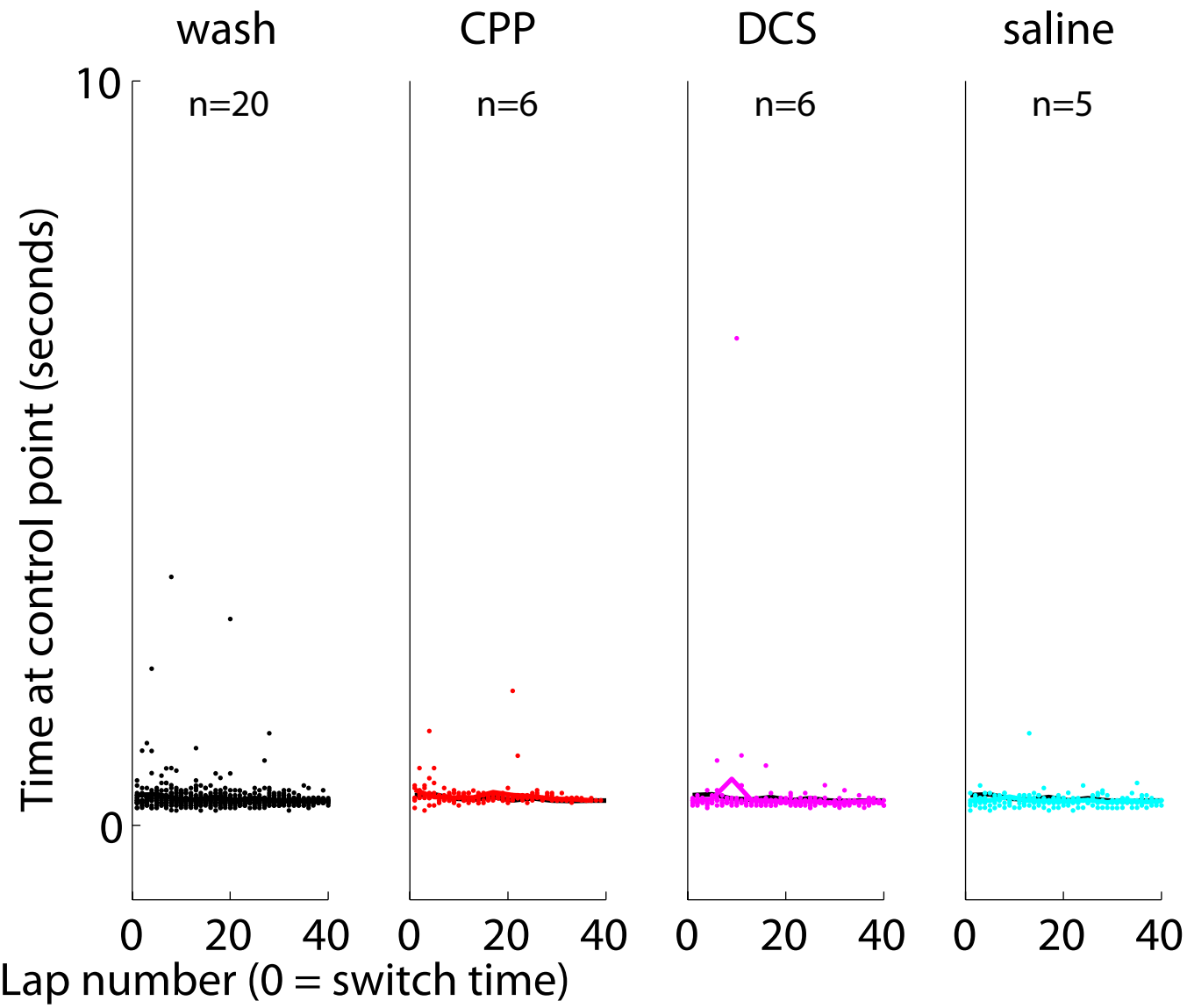

Figure S2b: Time at control point by condition aligned to switch in reward contingency. Only laps occuring after the contingency switch are included. The black line repeated on each panel is the average time for the wash condition.