

Table S3a

	Transfer 2v3-1		Transfer 2v3-2		Transfer 2v3-3		Transfer 2v3-4		Transfer 2v3-5		Summary			
Choice patterns														
Rewarded pattern	2+ 0° 180° (R) (L)	3+ 0° 180° (R) (L)	2+ 0° 180° (R) (L)	3+ 0° 180° (R) (L)	2+ 0° 180° (R) (L)	3+ 0° 180° (R) (L)	2+ 0° 180° (R) (L)	3+ 0° 180° (R) (L)	2+ 0° 180° (R) (L)	3+ 0° 180° (R) (L)	2+	3+	%	
Bee 02	+ +	+ +	+ +	+ +	+ -	+	- +	+ -	+ +	+ +	+ +	8+,2-	8+,1-	0.84
Bee 12	+ -	+ +		+ +	- +	- +				+ +		4+,2-	7+,1-	0.79
Bee 1 4	+ +	-	+	+ -	+ +	- +	+ +	+ +	- +	+ +		8+,1-	6+,4-	0.74
Sample pattern														

Table S3b

	Control-same areas			Control-same edges			Transfer 3v4			Transfer 4v5			Control 4v5-1		
Choice Patterns															
Reward pattern	2+ 0° 180° (R) (L)	3+ 0° 180° (R) (L)	%	2+ 0° 180° (R) (L)	3+ 0° 180° (R) (L)	%	3+ 0° 180° (R) (L)	4+ 0° 180° (R) (L)	%	4+ 0° 180° (R) (L)	5+ 0° 180° (R) (L)	%	4+ 0° 180° (R) (L)	5+ 0° 180° (R) (L)	%
Bee 02	+ +	+ +	1.0	+ +	+ +	1.0	+ +	+ +	1.0	-	+	0.5	+ -	+ +	0.75
Bee 12	+ +	- +	0.75	+ +	+ +	1.0	+ +	- +	0.75	-	- +	0.3	- +	+ +	0.75
Bee 14	- +	+ +	0.75	+ +	+ -	0.75	+ +	+ -	0.75	- +	- +	0.5	+ +	+ -	0.75
Sample pattern															