

Table S1. The transition matrix between lowest, middle, and highest thirds in residual eating derived from experiment 2. The percentage of transitions between the thirds has been calculated using a non-parametric bootstrap approach to get realistic estimates for the transitions between the lowest and highest thirds, which were not observed for most measurement standards in the experiment.

Gold standard	S2			Gold standard	S3			
	1st	2nd	3rd		1st	2nd	3rd	
	1st	92 %	8 %		0 %	89 %	11 %	0 %
	2nd	8 %	84 %		8 %	11 %	81 %	8 %
	3rd	0 %	8 %		92 %	0 %	8 %	92 %
	S4				S5			
	1st	2nd	3rd		1st	2nd	3rd	
	1st	81 %	17 %		2 %	78 %	19 %	3 %
	2nd	19 %	67 %		15 %	22 %	61 %	17 %
	3rd	0 %	16 %		84 %	0 %	19 %	80 %
S6/S12			S7					
1st	2nd	3rd	1st	2nd	3rd			
1st	76 %	21 %	3 %	74 %	22 %	4 %		
2nd	23 %	58 %	20 %	19 %	60 %	20 %		
3rd	2 %	21 %	77 %	7 %	17 %	76 %		
S8			S9					
1st	2nd	3rd	1st	2nd	3rd			
1st	79 %	21 %	1 %	74 %	23 %	3 %		
2nd	21 %	65 %	14 %	20 %	60 %	20 %		
3rd	0 %	15 %	85 %	7 %	16 %	77 %		
S10/S13			S11					
1st	2nd	3rd	1st	2nd	3rd			
1st	73 %	25 %	2 %	79 %	18 %	3 %		
2nd	27 %	54 %	19 %	16 %	58 %	26 %		
3rd	1 %	21 %	79 %	5 %	25 %	70 %		
S14			S15					
1st	2nd	3rd	1st	2nd	3rd			
1st	77 %	20 %	3 %	78 %	19 %	4 %		
2nd	22 %	61 %	16 %	22 %	60 %	18 %		

3rd	0 %	19 %	81 %	3rd	0 %	21 %	78 %
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Table S2. The transition matrix between lowest, middle, and highest thirds in residual eating derived from experiment 3. The percentage of transitions between the thirds has been calculated using non-parametric bootstrap approach to get realistic estimates for the transitions between the lowest and highest thirds, which were not observed for most measurement standards in the experiment.

Gold standard	S2			Gold standard	S3				
	1st	2nd	3rd		1st	2nd	3rd		
	1st	95 %	5 %		0 %	1st	94 %	6 %	0 %
	2nd	5 %	87 %		8 %	2nd	6 %	83 %	11 %
	3rd	0 %	8 %		92 %	3rd	0 %	11 %	89 %
	S4				S5				
	1st	2nd	3rd		1st	2nd	3rd		
	1st	53 %	42 %		4 %	1st	84 %	16 %	0 %
	2nd	30 %	43 %		28 %	2nd	16 %	72 %	12 %
	3rd	16 %	15 %		69 %	3rd	0 %	12 %	88 %
S6/S12			S7						
1st	2nd	3rd	1st	2nd	3rd				
1st	64 %	31 %	4 %	1st	68 %	19 %	13 %		
2nd	29 %	43 %	28 %	2nd	23 %	46 %	31 %		
3rd	7 %	25 %	68 %	3rd	9 %	34 %	57 %		
S8			S9						
1st	2nd	3rd	1st	2nd	3rd				
1st	59 %	37 %	4 %	1st	91 %	9 %	0 %		
2nd	27 %	49 %	24 %	2nd	9 %	83 %	8 %		
3rd	14 %	14 %	73 %	3rd	0 %	8 %	92 %		
S10/S13			S11						
1st	2nd	3rd	1st	2nd	3rd				
1st	73 %	27 %	0 %	1st	74 %	26 %	0 %		
2nd	26 %	52 %	21 %	2nd	23 %	59 %	19 %		
3rd	1 %	20 %	79 %	3rd	3 %	15 %	82 %		

S14				S15			
	1st	2nd	3rd		1st	2nd	3rd
1st	74 %	25 %	1 %	1st	55 %	39 %	6 %
2nd	24 %	50 %	26 %	2nd	39 %	26 %	34 %
3rd	1 %	25 %	74 %	3rd	6 %	33 %	61 %