Supplementary materials for *'Predisposed and learned preferences for multipoint visual statistics in visually naïve newly-hatched chicks'*

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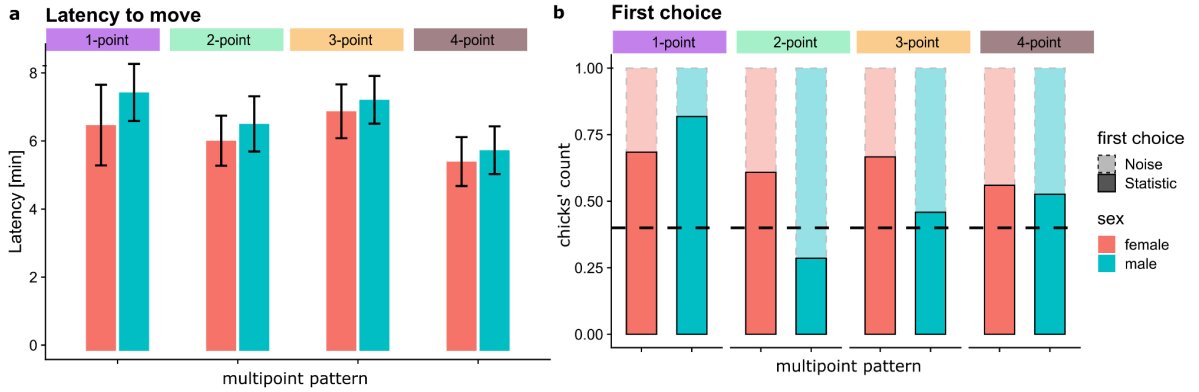
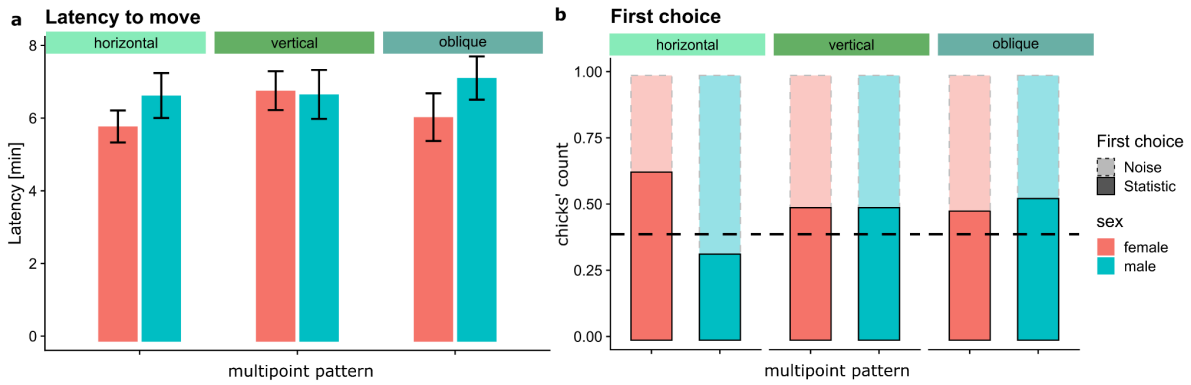
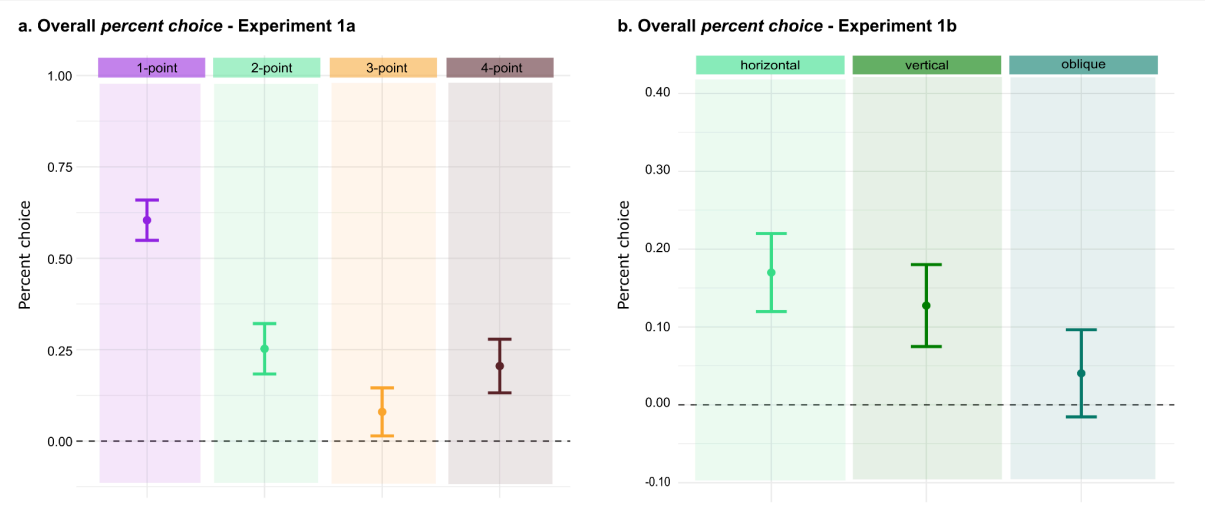
Content:



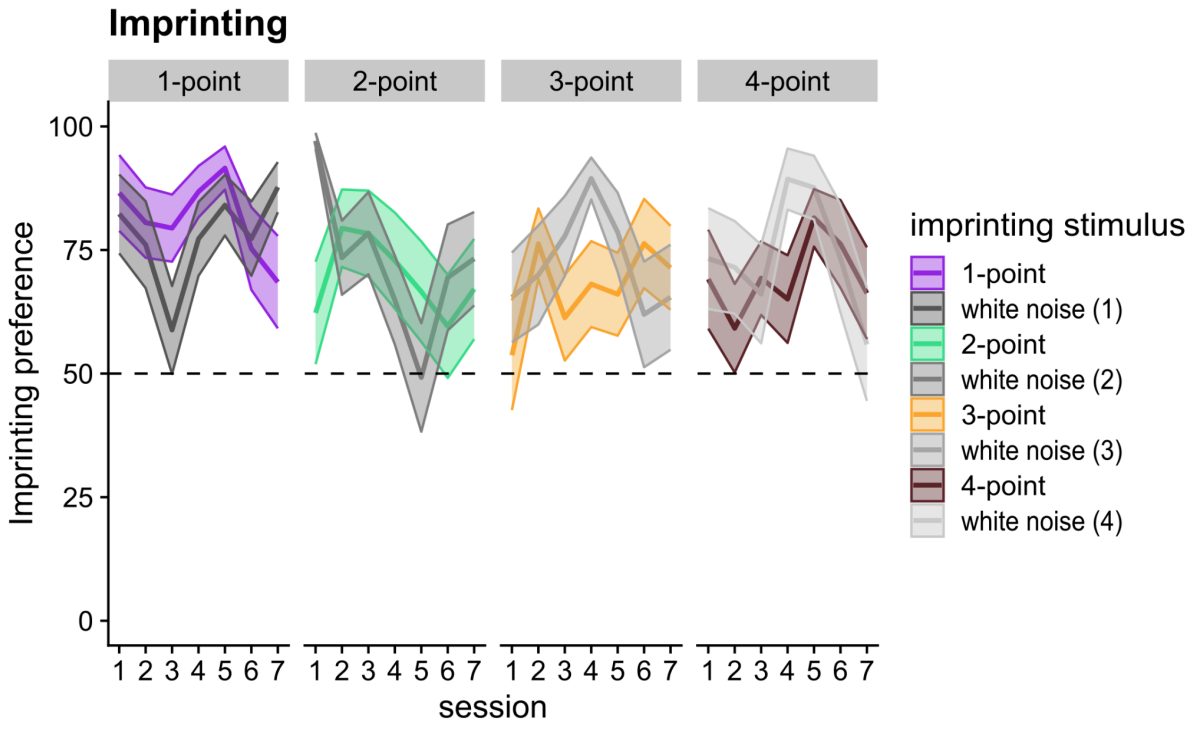
Supplementary Figure 1. Additional data for Experiment 1a. ***a)*** Latency to initiate movement expressed in minutes (mean ± sem). ***b)*** Percentual of chicks' count showing the first choice for multipoint pattern (shadowed for noise); coloured by sex, dotted horizontal lines indicate the chance level.



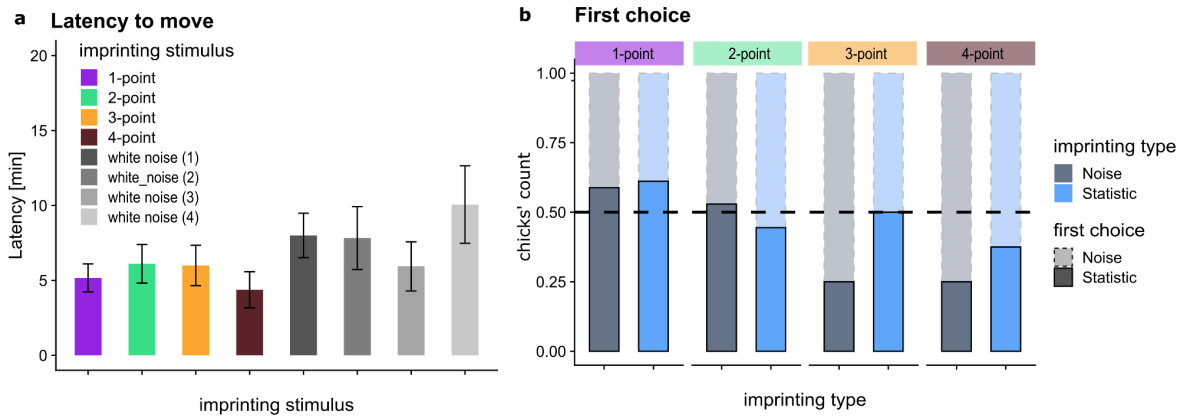
Supplementary Figure 2. Additional data for Experiment 1b. ***a)*** Latency to initiate movement expressed in minutes (mean ± sem). ***b)*** Percentual of chicks' count showing the first choice for multipoint pattern (shadowed for noise); coloured by sex, dotted horizontal lines indicate the chance level.



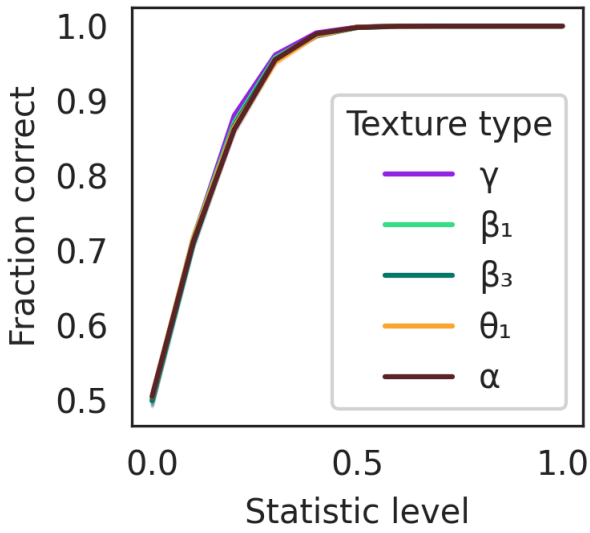
Supplementary Figure 3. Experiment 1, overall *percent choice* averaged across 15 minutes. ***a)*** Overall scores for Experiment 1a. ***b)*** Overall scores for Experiment 1b.



Supplementary Figure 4. Results for Experiment 2, imprinting phase. Average time spent by chicks close to the imprinting stimulus (expressed in percentage, 100% corresponds to 14 hours) during the imprinting phase. Curves are coloured by imprinting stimulus (the noise groups are indicated with numbers related to the following test, i.e. (1) if later tested against 1-point etc.); dotted horizontal lines indicate the chance level.

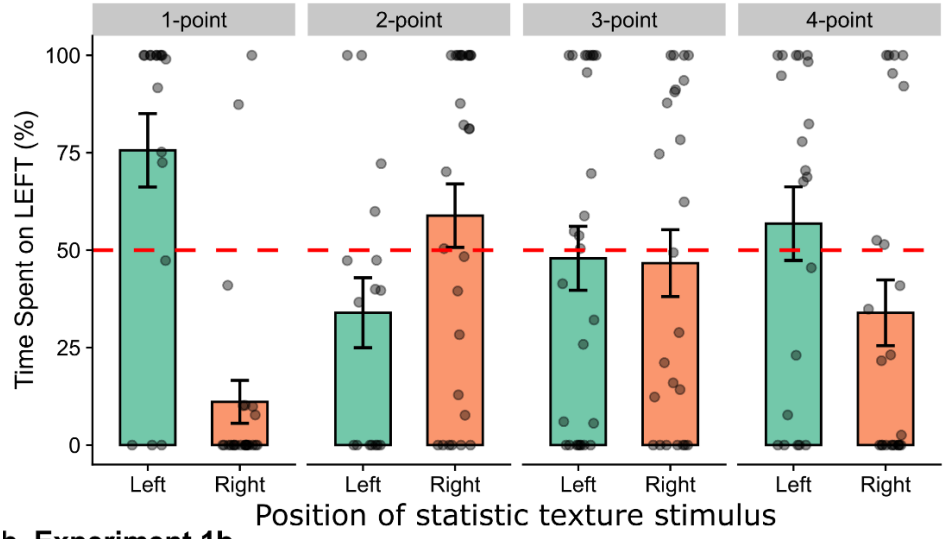


Supplementary Figure 5. Additional data for test phase of Experiment 2. ***a)*** Latency to initiate movement expressed in minutes (mean ± sem). ***b)*** Percentual of chicks' count showing the first choice for multipoint pattern (shadowed for noise); coloured by type of imprinting (on pattern or on noise), dotted horizontal lines indicate the chance level.

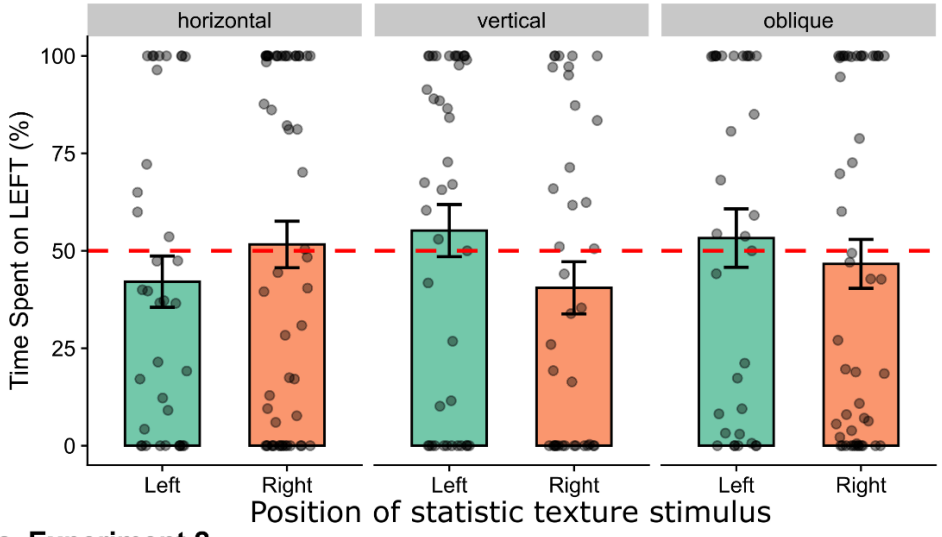


Supplementary Figure 6. Decoding performance of a Support Vector Classifier trained to distinguish between texture images and white noise. Solid lines: average performance computed by 20-fold nested crossvalidation on a sample composed of 10000 square textures with the given statistic level and 10000 white noise samples, each of which is of size 12x12 pixels. Shaded area (indistinguishable from the solid lines): 95% confidence interval obtained by bootstrapping over the outer crossvalidation folds (1000 bootstrap samples). Note that β_2 textures are omitted because from the point of view of the classifier they are trivially related to β_3 (differing only by a 90-degree rotation), leading to identical performance by construction. See Methods for details.

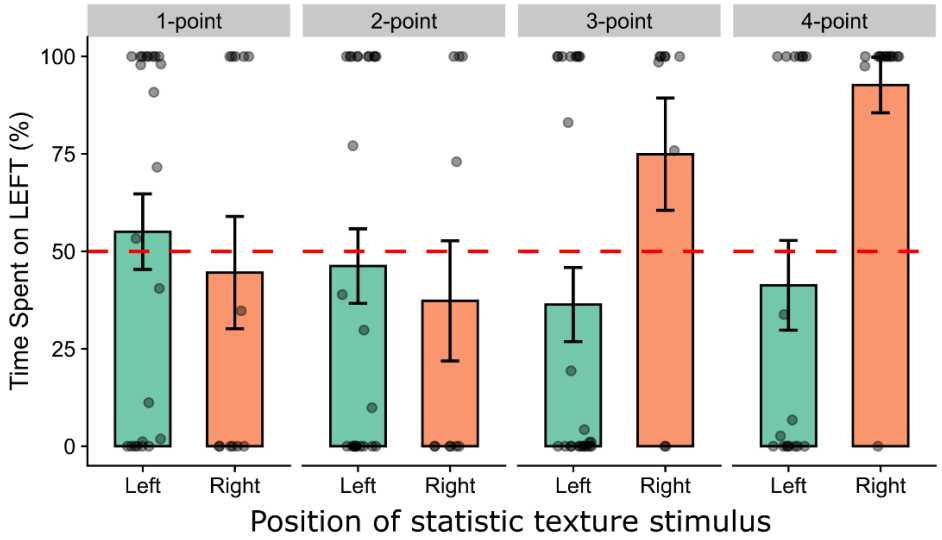
a. Experiment 1a



b. Experiment 1b



c. Experiment 2



Supplementary Figure 7. Consistency check for side bias and stimulus tracking across experiments. To control for potential spatial biases (left/right screen), we analyzed the percentage of time spent on the left side of the arena as a function of the physical position of the target stimulus. A side bias would be evident if percentages would be equally high or low (i.e. consistently different from chance) independently from the stimulus side (i.e., for both left and right in the x-axis). The dashed red line (50%) represents random chance. **(a)** Experiment 1a: The absence of apparatus bias was confirmed by two distinct behavioral patterns. The 1-point and 4-point groups demonstrated strong tracking, reversing their side preference in accordance with the stimulus position. Analogously, the 2-point group's reverse pattern suggests pattern avoidance but still no side bias. Conversely, the 3-point group showed a homogeneous distribution (~50%) regardless of stimulus location, proving that in the absence of a learned preference, the arena itself does not induce any side effect. **(b)** Experiment 1b: Across all 2-point orientation conditions, chicks showed no strong deviation from chance levels in all cases, with no evident side bias. **(c)** Experiment 2: The absence of apparatus bias was confirmed by two distinct behavioral patterns. The 3-point and 4-point groups demonstrated strong tracking, reversing their side preference in accordance with the noise position. Conversely, the 1- and 2-point group showed a generally homogeneous distribution (~50%) regardless of stimulus location, proving no side effects.

1-point						
Minute	**Sex**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	female	0.31	0.21	-0.13	0.76	19
2	female	0.25	0.20	-0.18	0.68	19
3	female	0.35	0.19	-0.04	0.75	19
4	female	0.35	0.19	-0.04	0.75	19
5	female	0.56	0.17	0.20	0.93	19
6	female	0.51	0.19	0.11	0.91	19
7	female	0.51	0.19	0.11	0.91	19
8	female	0.72	0.15	0.41	1.03	19
9	female	0.71	0.15	0.40	1.02	19
10	female	0.65	0.15	0.32	0.97	19
11	female	0.68	0.15	0.37	0.99	19
12	female	0.75	0.14	0.45	1.05	19
13	female	0.75	0.14	0.45	1.05	19
14	female	0.50	0.18	0.12	0.88	19
15	female	0.39	0.20	-0.04	0.82	19
1	male	0.61	0.17	0.26	0.95	22
2	male	0.69	0.13	0.41	0.96	22
3	male	0.53	0.15	0.22	0.84	22
4	male	0.66	0.14	0.38	0.95	22

5	male	0.66	0.14	0.38	0.94	22
6	male	0.69	0.11	0.46	0.93	22
7	male	0.63	0.14	0.34	0.91	22
8	male	0.71	0.13	0.43	0.98	22
9	male	0.72	0.11	0.48	0.95	22
10	male	0.71	0.11	0.47	0.94	22
11	male	0.52	0.17	0.16	0.87	22
12	male	0.68	0.12	0.43	0.93	22
13	male	0.74	0.11	0.51	0.98	22
14	male	0.76	0.13	0.49	1.02	22
15	male	0.68	0.15	0.37	0.98	22

2-point						
Minute	**Sex**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	female	0.26	0.19	-0.13	0.66	23
2	female	0.25	0.19	-0.14	0.65	23
3	female	0.17	0.19	-0.21	0.56	23
4	female	0.17	0.18	-0.21	0.54	23
5	female	0.13	0.18	-0.24	0.49	23
6	female	0.08	0.18	-0.30	0.45	23
7	female	-0.10	0.17	-0.46	0.26	23
8	female	-0.16	0.18	-0.52	0.21	23

9	female	-0.22	0.18	-0.60	0.16	23
10	female	-0.27	0.19	-0.66	0.12	23
11	female	-0.19	0.19	-0.59	0.21	23
12	female	-0.19	0.19	-0.59	0.21	23
13	female	-0.19	0.19	-0.60	0.21	23
14	female	-0.12	0.19	-0.50	0.27	23
15	female	-0.20	0.19	-0.60	0.20	23
1	male	-0.44	0.20	-0.85	-0.03	21
2	male	-0.36	0.20	-0.77	0.06	21
3	male	-0.46	0.19	-0.85	-0.07	21
4	male	-0.39	0.20	-0.80	0.02	21
5	male	-0.38	0.20	-0.80	0.03	21
6	male	-0.29	0.20	-0.69	0.12	21
7	male	-0.15	0.21	-0.58	0.29	21
8	male	-0.27	0.20	-0.68	0.14	21
9	male	-0.39	0.18	-0.77	0.00	21
10	male	-0.24	0.20	-0.67	0.18	21
11	male	-0.20	0.20	-0.62	0.22	21
12	male	-0.33	0.19	-0.72	0.06	21
13	male	-0.53	0.16	-0.86	-0.20	21
14	male	-0.33	0.18	-0.71	0.05	21
15	male	-0.39	0.18	-0.76	-0.02	21

3-point						
Minute	**Sex**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	female	0.28	0.18	-0.08	0.65	27
2	female	0.09	0.18	-0.29	0.46	27
3	female	0.23	0.17	-0.12	0.58	27
4	female	-0.09	0.17	-0.45	0.26	27
5	female	-0.06	0.16	-0.40	0.28	27
6	female	0.05	0.16	-0.28	0.39	27
7	female	-0.13	0.16	-0.45	0.19	27
8	female	-0.04	0.15	-0.35	0.27	27
9	female	0.10	0.18	-0.27	0.46	27
10	female	-0.08	0.17	-0.43	0.28	27
11	female	-0.12	0.18	-0.49	0.25	27
12	female	-0.12	0.18	-0.48	0.25	27
13	female	-0.16	0.18	-0.53	0.22	27
14	female	-0.09	0.18	-0.45	0.27	27
15	female	-0.12	0.18	-0.48	0.25	27
1	male	-0.11	0.20	-0.53	0.31	24
2	male	-0.07	0.20	-0.49	0.35	24
3	male	-0.04	0.20	-0.46	0.38	24
4	male	-0.23	0.18	-0.60	0.14	24

5	male	-0.23	0.17	-0.59	0.13	24
6	male	-0.08	0.18	-0.45	0.28	24
7	male	-0.10	0.19	-0.48	0.29	24
8	male	-0.09	0.19	-0.48	0.30	24
9	male	-0.08	0.19	-0.47	0.31	24
10	male	-0.08	0.19	-0.47	0.30	24
11	male	-0.11	0.19	-0.49	0.27	24
12	male	-0.11	0.19	-0.50	0.28	24
13	male	0.03	0.20	-0.37	0.44	24
14	male	-0.01	0.18	-0.37	0.35	24
15	male	0.06	0.17	-0.30	0.42	24

4-point						
Minute	**Sex**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	female	0.07	0.19	-0.33	0.47	25
2	female	0.11	0.19	-0.28	0.50	25
3	female	0.04	0.18	-0.34	0.42	25
4	female	0.11	0.19	-0.28	0.50	25
5	female	0.21	0.19	-0.17	0.60	25
6	female	0.26	0.17	-0.10	0.62	25
7	female	0.30	0.18	-0.08	0.68	25
8	female	0.30	0.17	-0.06	0.66	25

9	female	0.35	0.18	-0.02	0.72	25
10	female	0.38	0.18	0.01	0.75	25
11	female	0.31	0.18	-0.06	0.67	25
12	female	0.39	0.18	0.02	0.76	25
13	female	0.35	0.18	-0.02	0.72	25
14	female	0.35	0.18	-0.02	0.72	25
15	female	0.39	0.18	0.02	0.75	25
1	male	0.00	0.23	-0.47	0.48	19
2	male	-0.01	0.23	-0.49	0.46	19
3	male	-0.07	0.23	-0.55	0.42	19
4	male	-0.01	0.22	-0.49	0.46	19
5	male	0.09	0.21	-0.36	0.53	19
6	male	0.04	0.22	-0.42	0.51	19
7	male	0.32	0.20	-0.10	0.74	19
8	male	0.32	0.20	-0.10	0.74	19
9	male	0.23	0.21	-0.21	0.67	19
10	male	0.03	0.22	-0.43	0.49	19
11	male	0.11	0.20	-0.31	0.53	19
12	male	0.25	0.21	-0.19	0.68	19
13	male	0.26	0.20	-0.15	0.68	19
14	male	0.29	0.20	-0.13	0.71	19
15	male	0.13	0.21	-0.31	0.57	19

Supplementary Table 1. Raw reference index in time for Experiment 1a. Average minute by minute of the preference index (PI) for the groups ‘type of multipoint pattern’ and sex. n is the number of chicks per group, se the standard error and CI the 95% confidence interval.

horizontal						
Minute	**Sex**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	female	0.27	0.13	0.02	0.53	52
2	female	0.24	0.13	-0.02	0.49	52
3	female	0.17	0.13	-0.08	0.43	52
4	female	0.11	0.13	-0.14	0.36	52
5	female	0.05	0.13	-0.21	0.31	52
6	female	0.09	0.13	-0.17	0.34	52
7	female	0.01	0.13	-0.24	0.26	52
8	female	0.07	0.12	-0.18	0.31	52
9	female	-0.10	0.13	-0.35	0.16	52
10	female	-0.02	0.13	-0.29	0.24	52
11	female	0.04	0.13	-0.23	0.30	52
12	female	0.01	0.13	-0.25	0.28	52
13	female	-0.05	0.13	-0.32	0.21	52
14	female	0.04	0.13	-0.22	0.29	52
15	female	0.01	0.13	-0.25	0.27	52
1	male	-0.37	0.14	-0.66	-0.08	40
2	male	-0.31	0.14	-0.60	-0.02	40
3	male	-0.31	0.14	-0.59	-0.03	40
4	male	-0.36	0.14	-0.63	-0.08	40

5	male	-0.28	0.14	-0.57	0.00	40
6	male	-0.24	0.14	-0.51	0.04	40
7	male	-0.22	0.14	-0.52	0.07	40
8	male	-0.30	0.13	-0.57	-0.02	40
9	male	-0.34	0.14	-0.62	-0.07	40
10	male	-0.37	0.14	-0.65	-0.09	40
11	male	-0.29	0.14	-0.57	0.00	40
12	male	-0.33	0.14	-0.61	-0.05	40
13	male	-0.39	0.13	-0.66	-0.13	40
14	male	-0.25	0.14	-0.53	0.04	40
15	male	-0.30	0.14	-0.58	-0.01	40

vertical						
Minute	**Sex**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	female	0.02	0.15	-0.27	0.31	44
2	female	0.00	0.14	-0.28	0.28	44
3	female	0.06	0.13	-0.21	0.33	44
4	female	0.03	0.14	-0.25	0.32	44
5	female	0.07	0.14	-0.21	0.35	44
6	female	0.08	0.15	-0.22	0.38	44
7	female	0.05	0.14	-0.24	0.33	44
8	female	-0.01	0.14	-0.29	0.27	44

9	female	0.13	0.14	-0.15	0.40	44
10	female	0.17	0.13	-0.10	0.44	44
11	female	0.16	0.14	-0.12	0.43	44
12	female	0.04	0.14	-0.25	0.32	44
13	female	0.08	0.14	-0.19	0.36	44
14	female	0.03	0.14	-0.25	0.31	44
15	female	-0.05	0.14	-0.34	0.23	44
1	male	-0.01	0.16	-0.32	0.31	36
2	male	0.11	0.15	-0.20	0.41	36
3	male	0.14	0.15	-0.16	0.43	36
4	male	0.17	0.15	-0.14	0.47	36
5	male	0.15	0.15	-0.16	0.45	36
6	male	0.27	0.15	-0.03	0.58	36
7	male	0.38	0.14	0.10	0.67	36
8	male	0.37	0.14	0.09	0.66	36
9	male	0.34	0.14	0.05	0.64	36
10	male	0.20	0.15	-0.11	0.50	36
11	male	0.21	0.15	-0.09	0.50	36
12	male	0.20	0.15	-0.11	0.50	36
13	male	0.25	0.15	-0.05	0.55	36
14	male	0.28	0.15	-0.02	0.58	36
15	male	0.18	0.15	-0.12	0.48	36

oblique						
Minute	**Sex**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	female	-0.04	0.16	-0.35	0.28	39
2	female	-0.06	0.15	-0.37	0.25	39
3	female	0.02	0.15	-0.28	0.31	39
4	female	-0.01	0.15	-0.32	0.29	39
5	female	0.11	0.15	-0.19	0.41	39
6	female	0.07	0.15	-0.23	0.37	39
7	female	-0.05	0.15	-0.35	0.25	39
8	female	-0.07	0.16	-0.39	0.24	39
9	female	-0.08	0.15	-0.39	0.23	39
10	female	-0.03	0.16	-0.35	0.28	39
11	female	0.00	0.15	-0.31	0.31	39
12	female	0.01	0.15	-0.29	0.31	39
13	female	0.04	0.15	-0.27	0.36	39
14	female	-0.01	0.16	-0.33	0.31	39
15	female	-0.01	0.16	-0.33	0.31	39
1	male	0.05	0.15	-0.26	0.35	43
2	male	0.09	0.14	-0.19	0.38	43
3	male	0.07	0.15	-0.23	0.37	43
4	male	0.10	0.15	-0.20	0.40	43

5	male	0.06	0.15	-0.24	0.36	43
6	male	-0.01	0.14	-0.30	0.28	43
7	male	0.12	0.14	-0.16	0.40	43
8	male	0.11	0.14	-0.17	0.39	43
9	male	0.17	0.14	-0.12	0.46	43
10	male	0.06	0.14	-0.22	0.35	43
11	male	0.05	0.15	-0.25	0.35	43
12	male	0.06	0.15	-0.23	0.35	43
13	male	-0.07	0.15	-0.36	0.23	43
14	male	0.01	0.14	-0.28	0.30	43
15	male	0.09	0.14	-0.20	0.37	43

Supplementary Table 2. Raw reference index in time for Experiment 1b. Average minute by minute of the preference index (PI) for the groups ‘type of multipoint pattern’ and sex. n is the number of chicks per group, se the standard error and CI the 95% confidence interval.

1-point						
Minute	**Imprinted on**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	Noise	0.20	0.24	-0.31	0.71	17
2	Noise	0.12	0.24	-0.38	0.63	17
3	Noise	0.12	0.24	-0.38	0.63	17
4	Noise	0.15	0.23	-0.34	0.64	17
5	Noise	0.18	0.24	-0.34	0.70	17
6	Noise	0.15	0.24	-0.35	0.66	17
7	Noise	-0.11	0.24	-0.61	0.40	17
8	Noise	0.07	0.25	-0.46	0.59	17
9	Noise	0.07	0.23	-0.42	0.56	17
10	Noise	0.01	0.24	-0.50	0.51	17
11	Noise	0.01	0.24	-0.50	0.52	17
12	Noise	0.11	0.24	-0.39	0.61	17
13	Noise	-0.05	0.23	-0.54	0.44	17
14	Noise	-0.05	0.23	-0.54	0.44	17
15	Noise	-0.15	0.21	-0.60	0.30	17
1	Statistic	0.17	0.23	-0.31	0.65	18
2	Statistic	0.26	0.22	-0.21	0.74	18
3	Statistic	0.15	0.21	-0.30	0.61	18
4	Statistic	0.08	0.21	-0.36	0.52	18

5	Statistic	0.05	0.22	-0.41	0.51	18
6	Statistic	0.05	0.22	-0.41	0.51	18
7	Statistic	0.10	0.22	-0.37	0.58	18
8	Statistic	0.05	0.22	-0.41	0.51	18
9	Statistic	0.03	0.23	-0.45	0.52	18
10	Statistic	0.26	0.19	-0.14	0.66	18
11	Statistic	0.35	0.21	-0.09	0.79	18
12	Statistic	0.35	0.21	-0.09	0.79	18
13	Statistic	0.27	0.21	-0.17	0.70	18
14	Statistic	0.26	0.21	-0.18	0.70	18
15	Statistic	0.32	0.21	-0.12	0.77	18

2-point						
Minute	**Imprinted on**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	Noise	0.10	0.24	-0.41	0.61	17
2	Noise	0.07	0.23	-0.43	0.56	17
3	Noise	0.01	0.22	-0.47	0.48	17
4	Noise	0.01	0.22	-0.47	0.48	17
5	Noise	0.01	0.22	-0.47	0.48	17
6	Noise	-0.11	0.21	-0.55	0.33	17
7	Noise	-0.17	0.21	-0.62	0.28	17
8	Noise	-0.11	0.22	-0.58	0.36	17

9	Noise	0.01	0.22	-0.46	0.49	17
10	Noise	-0.11	0.22	-0.59	0.36	17
11	Noise	-0.11	0.22	-0.58	0.37	17
12	Noise	0.00	0.23	-0.47	0.48	17
13	Noise	0.01	0.22	-0.47	0.48	17
14	Noise	-0.04	0.23	-0.53	0.44	17
15	Noise	0.01	0.23	-0.47	0.48	17
1	Statistic	-0.17	0.23	-0.65	0.31	18
2	Statistic	-0.12	0.24	-0.62	0.38	18
3	Statistic	0.00	0.24	-0.49	0.50	18
4	Statistic	0.04	0.23	-0.45	0.53	18
5	Statistic	0.05	0.23	-0.44	0.54	18
6	Statistic	0.05	0.23	-0.44	0.54	18
7	Statistic	0.05	0.23	-0.45	0.54	18
8	Statistic	0.09	0.23	-0.39	0.57	18
9	Statistic	0.10	0.22	-0.37	0.58	18
10	Statistic	0.06	0.23	-0.43	0.55	18
11	Statistic	0.16	0.23	-0.33	0.64	18
12	Statistic	0.05	0.23	-0.44	0.54	18
13	Statistic	0.17	0.23	-0.31	0.65	18
14	Statistic	0.17	0.22	-0.30	0.64	18
15	Statistic	0.27	0.22	-0.20	0.74	18

3-point						
Minute	**Imprinted on**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	Noise	-0.44	0.22	-0.91	0.03	16
2	Noise	-0.51	0.20	-0.93	-0.08	16
3	Noise	-0.52	0.20	-0.95	-0.10	16
4	Noise	-0.50	0.20	-0.92	-0.07	16
5	Noise	-0.42	0.22	-0.89	0.05	16
6	Noise	-0.30	0.22	-0.76	0.16	16
7	Noise	-0.30	0.22	-0.76	0.16	16
8	Noise	-0.36	0.22	-0.82	0.11	16
9	Noise	-0.36	0.22	-0.83	0.11	16
10	Noise	-0.37	0.22	-0.83	0.10	16
11	Noise	-0.36	0.22	-0.83	0.10	16
12	Noise	-0.36	0.22	-0.83	0.10	16
13	Noise	-0.36	0.22	-0.83	0.11	16
14	Noise	-0.30	0.22	-0.76	0.16	16
15	Noise	-0.26	0.21	-0.72	0.19	16
1	Statistic	-0.02	0.24	-0.52	0.48	18
2	Statistic	-0.19	0.23	-0.67	0.28	18
3	Statistic	-0.28	0.21	-0.72	0.16	18
4	Statistic	-0.19	0.21	-0.63	0.25	18

5	Statistic	-0.19	0.21	-0.64	0.25	18
6	Statistic	-0.22	0.21	-0.66	0.21	18
7	Statistic	-0.19	0.21	-0.64	0.26	18
8	Statistic	-0.29	0.22	-0.76	0.19	18
9	Statistic	-0.29	0.22	-0.76	0.18	18
10	Statistic	-0.17	0.23	-0.66	0.32	18
11	Statistic	-0.27	0.22	-0.74	0.19	18
12	Statistic	-0.28	0.22	-0.76	0.19	18
13	Statistic	-0.29	0.22	-0.76	0.18	18
14	Statistic	-0.27	0.22	-0.74	0.19	18
15	Statistic	-0.28	0.22	-0.76	0.19	18

4-point						
Minute	**Imprinted on**	**mean PI**	**se PI**	**CI_low**	**CI_high**	**n**
1	Noise	-0.46	0.22	-0.93	0.00	16
2	Noise	-0.44	0.20	-0.86	-0.01	16
3	Noise	-0.36	0.22	-0.83	0.10	16
4	Noise	-0.48	0.20	-0.91	-0.05	16
5	Noise	-0.49	0.20	-0.92	-0.06	16
6	Noise	-0.48	0.20	-0.91	-0.05	16
7	Noise	-0.49	0.20	-0.91	-0.06	16
8	Noise	-0.42	0.22	-0.90	0.05	16

9	Noise	-0.55	0.20	-0.98	-0.12	16
10	Noise	-0.54	0.20	-0.97	-0.11	16
11	Noise	-0.49	0.20	-0.92	-0.06	16
12	Noise	-0.49	0.20	-0.92	-0.06	16
13	Noise	-0.49	0.20	-0.92	-0.06	16
14	Noise	-0.54	0.20	-0.97	-0.12	16
15	Noise	-0.55	0.20	-0.98	-0.12	16
1	Statistic	-0.27	0.24	-0.79	0.24	16
2	Statistic	-0.33	0.23	-0.82	0.17	16
3	Statistic	-0.38	0.24	-0.89	0.12	16
4	Statistic	-0.38	0.24	-0.89	0.12	16
5	Statistic	-0.38	0.24	-0.89	0.12	16
6	Statistic	-0.38	0.24	-0.89	0.12	16
7	Statistic	-0.38	0.24	-0.89	0.12	16
8	Statistic	-0.38	0.24	-0.89	0.12	16
9	Statistic	-0.38	0.24	-0.89	0.12	16
10	Statistic	-0.38	0.24	-0.89	0.12	16
11	Statistic	-0.38	0.24	-0.89	0.12	16
12	Statistic	-0.38	0.24	-0.89	0.12	16
13	Statistic	-0.38	0.24	-0.89	0.12	16
14	Statistic	-0.38	0.24	-0.89	0.12	16
15	Statistic	-0.38	0.24	-0.89	0.12	16

Supplementary Table 3. Raw reference index in time for Experiment 2 - test phase. Average minute by minute of the preference index (PI) for the groups ‘type of multipoint pattern’ and ‘type of imprinting’. n is the number of chicks per group, se the standard error and CI the 95% confidence interval.