

4 **Supplementary file S2: Raw responses for Control and Training group. For clarity,**
5 **results for Sections 1, 2 and 4 are shown for Iteration 2 only. For Section 3, results**
6 **represent binary coding (correct/incorrect) of multiple choice response and both**
7 **iterations are presented (N.B. the percentages shown are those used in calculating**
8 **McNemar's test values; they are not directly comparable with Figure 2, which**
9 **illustrates the percentage of participants who selected each (non-exclusive)**

Question	Number in test	Description	Control group		Training group		
			Mean	S.D.	Mean	S.D.	
Section 1: In order to ensure compliance with the EU Directive 2008/120/EC, how important is it to modify the enrichment provided on these farms? For each scenario, choose a point on the scale ranging from ‘not important to very important’.							
		Object	Manipulating object/straw?	Iteration 2 only			
SIQ1	1	None	Yes (dung only)	9.49	0.87	9.49	1.43
SIQ2	2	Wood	No	7.53	2.43	8.48	2.05
SIQ3	3	Wet / dirty straw	Some	8.17	1.81	8.83	1.59
SIQ4	4	Clean / dry straw	Some	3.82	2.64	3.83	2.68
SIQ5	5	Chain	Some	6.30	2.68	8.15	1.79
SIQ6	6	Clean / dry straw	No	4.42	2.88	4.70	3.06
SIQ7	7	Chain	No	7.47	2.64	8.77	1.89
SIQ8	8	Wood	Some	6.01	2.74	7.26	2.27
SIQ9	9	Wet / dirty straw	No	8.58	1.82	8.87	1.71

Section 2: Please rate the level of risk for each factor by choosing a point on the scale ranging from ‘no risk to high risk’.

		Description	Iteration 2 only			
<i>S2Q1</i>	<i>10</i>	Presence of tail-bitten animals	9.50	0.97	9.23	1.64
<i>S2Q2</i>	<i>11</i>	Heat stress	8.22	1.80	6.84	2.41
<i>S2Q3</i>	<i>12</i>	Mixing of animals (not including mixing at weaning)	8.45	1.48	7.65	2.05
<i>S2Q4</i>	<i>13</i>	Absence of natural light	6.16	2.33	5.85	2.64
<i>S2Q5</i>	<i>14</i>	Poor herd health	8.05	1.80	7.50	2.17
<i>S2Q6</i>	<i>15</i>	Sudden changes in diet	7.96	1.93	7.44	2.08
<i>S2Q7</i>	<i>16</i>	A barren environment (no substrate and no enrichment)	9.08	1.38	9.54	0.79
<i>S2Q8</i>	<i>17</i>	Pigs of different breeds within a group	6.07	3.03	5.45	2.79
<i>S2Q9</i>	<i>18</i>	High stocking density	8.91	1.30	8.18	1.87

Section 4: In order to ensure compliance with the EU Directive 2008/120/EC, how important is it to modify the enrichment provided on these farms? For each scenario, choose a point on the scale ranging from ‘not important to very important’						
		Description	Iteration 2 only			
<i>S4Q1</i>	23	Barren , Tail lesions	9.70	0.83	9.83	0.54
<i>S4Q2</i>	24	Wet / dirty straw, No manipulation, Tail lesions	9.01	1.79	9.52	0.88
<i>S4Q3</i>	25	Chains, Some manipulation, No tail lesions	5.24	3.17	7.21	2.54

Section 3: Tick the appropriate option/s to indicate what action is needed to achieve compliance (% of respondents)								
<i>Scenario</i>	Iteration 1				Iteration 2			
	Control		Training		Control		Training	
	Wrong	Right	Wrong	Right	Wrong	Right	Wrong	Right

<i>S3Q1</i>	<i>19</i>	Compliant (tail-biting outbreak addressed adequately)	67.1	32.9	69.5	30.5	56.6	43.4	82.9	17.1
<i>S3Q2</i>	<i>20</i>	Stop tail docking (tail-biting resolved)	50.0	50.0	47.6	52.4	55.3	44.7	19.5	80.5
<i>S3Q3</i>	<i>21</i>	Management changes needed (tail-biting ongoing)	23.7	76.3	26.8	73.2	28.9	71.1	22.0	78.0
<i>S3Q4</i>	<i>22</i>	Compliant (no tail-biting occurring)	9.2	90.8	6.1	93.9	6.6	93.4	6.1	93.9