## 1 Supplementary Material

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
2         0.057         0.063         Difference           3         0.067         0.021         Difference           4         0.072         0.033         Difference           5         0.074         0.007         Difference           6         0.087         0.001         Difference           7         0.075         0.003         Difference           8         0.091         0.011         Difference           9         0.067         0.026         Difference           10         0.159         0.003         Difference           11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086	Participant	$\sigma$	b	Model
3         0.067         0.021         Difference           4         0.072         0.033         Difference           5         0.074         0.007         Difference           6         0.087         0.001         Difference           7         0.075         0.003         Difference           8         0.091         0.011         Difference           9         0.067         0.026         Difference           10         0.159         0.003         Difference           11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.002         Max           6         0.096				
4         0.072         0.033         Difference           5         0.074         0.007         Difference           6         0.087         0.001         Difference           7         0.075         0.003         Difference           8         0.091         0.011         Difference           9         0.067         0.026         Difference           10         0.159         0.003         Difference           11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0				
5         0.074         0.007         Difference           6         0.087         0.001         Difference           7         0.075         0.003         Difference           8         0.091         0.011         Difference           9         0.067         0.026         Difference           10         0.159         0.003         Difference           11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           10         0.150         0.004 </td <td>3</td> <td>0.067</td> <td>0.021</td> <td></td>	3	0.067	0.021	
6         0.087         0.001         Difference           7         0.075         0.003         Difference           8         0.091         0.011         Difference           9         0.067         0.026         Difference           10         0.159         0.003         Difference           11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           10         0.150         0.004				
7         0.075         0.003         Difference           8         0.091         0.011         Difference           9         0.067         0.026         Difference           10         0.159         0.003         Difference           11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001 <t< td=""><td>-</td><td></td><td></td><td></td></t<>	-			
8         0.091         0.011         Difference           9         0.067         0.026         Difference           10         0.159         0.003         Difference           11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max	-			
9 0.067 0.026 Difference 10 0.159 0.003 Difference 11 0.068 0.003 Difference 12 0.061 0.015 Difference 13 0.091 0.004 Difference 14 0.050 0.004 Difference 15 0.128 0.004 Difference 15 0.128 0.004 Difference 1 0.099 0.004 Max 2 0.072 0.021 Max 3 0.076 0.006 Max 4 0.092 0.007 Max 5 0.086 0.005 Max 6 0.096 0.002 Max 7 0.089 0.001 Max 8 0.105 0.004 Max 9 0.082 0.015 Max 10 0.150 0.001 Max 11 0.080 0.002 Max 11 0.080 0.002 Max 12 0.077 0.001 Max 13 0.112 0.001 Max 14 0.060 0.002 Max 1 0.094 0.001 Max 1 0.094 0.001 Bayesian 2 0.066 0.041 Bayesian 3 0.077 0.017 Bayesian 6 0.095 0.002 Bayesian 9 0.082 0.011 Bayesian 9 0.082 0.001 Bayesian 10 0.136 0.002 Bayesian 10 0.136 0.002 Bayesian 10 0.136 0.002 Bayesian 11 0.075 0.002 Bayesian 12 0.073 0.002 Bayesian 13 0.100 0.002 Bayesian 13 0.100 0.002 Bayesian 14 0.058 0.002 Bayesian				
10         0.159         0.003         Difference           11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max <td></td> <td></td> <td></td> <td></td>				
11         0.068         0.003         Difference           12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max				
12         0.061         0.015         Difference           13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max	-			
13         0.091         0.004         Difference           14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian				
14         0.050         0.004         Difference           15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian				
15         0.128         0.004         Difference           1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian <td< td=""><td></td><td></td><td></td><td></td></td<>				
1         0.099         0.004         Max           2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5<				
2         0.072         0.021         Max           3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           <	-			
3         0.076         0.006         Max           4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian				
4         0.092         0.007         Max           5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           8         0.107         0.019         Bayesian				
5         0.086         0.005         Max           6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           7         0.085         0.008         Bayesian           9         0.082         0.001         Bayesian				
6         0.096         0.002         Max           7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           8         0.107         0.019         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian <td></td> <td></td> <td></td> <td></td>				
7         0.089         0.001         Max           8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           8         0.107         0.019         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian           10         0.136         0.002         Bayesian	-			
8         0.105         0.004         Max           9         0.082         0.015         Max           10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           7         0.085         0.008         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian           11         0.075         0.002         Bayesian           12         0.073         0.002         Bayesian           13         0.100         0.002         Bayesian				
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10         0.150         0.001         Max           11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           7         0.085         0.008         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian           11         0.075         0.002         Bayesian           12         0.073         0.002         Bayesian           13         0.100         0.002         Bayesian           14         0.058         0.002         <	-			
11         0.080         0.002         Max           12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           7         0.085         0.008         Bayesian           8         0.107         0.019         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian           11         0.075         0.002         Bayesian           12         0.073         0.002         Bayesian           13         0.100         0.002         Bayesian           14         0.058         0.002				
12         0.077         0.001         Max           13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           7         0.085         0.008         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian           11         0.075         0.002         Bayesian           12         0.073         0.002         Bayesian           13         0.100         0.002         Bayesian           14         0.058         0.002         Bayesian				
13         0.112         0.001         Max           14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           7         0.085         0.008         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian           11         0.075         0.002         Bayesian           12         0.073         0.002         Bayesian           13         0.100         0.002         Bayesian           14         0.058         0.002         Bayesian				
14         0.060         0.002         Max           15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           7         0.085         0.008         Bayesian           8         0.107         0.019         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian           11         0.075         0.002         Bayesian           12         0.073         0.002         Bayesian           13         0.100         0.002         Bayesian           14         0.058         0.002         Bayesian				
15         0.144         0.002         Max           1         0.094         0.001         Bayesian           2         0.066         0.041         Bayesian           3         0.077         0.017         Bayesian           4         0.083         0.059         Bayesian           5         0.082         0.011         Bayesian           6         0.095         0.002         Bayesian           7         0.085         0.008         Bayesian           8         0.107         0.019         Bayesian           9         0.082         0.001         Bayesian           10         0.136         0.002         Bayesian           11         0.075         0.002         Bayesian           12         0.073         0.002         Bayesian           13         0.100         0.002         Bayesian           14         0.058         0.002         Bayesian	-			
1       0.094       0.001       Bayesian         2       0.066       0.041       Bayesian         3       0.077       0.017       Bayesian         4       0.083       0.059       Bayesian         5       0.082       0.011       Bayesian         6       0.095       0.002       Bayesian         7       0.085       0.008       Bayesian         8       0.107       0.019       Bayesian         9       0.082       0.001       Bayesian         10       0.136       0.002       Bayesian         11       0.075       0.002       Bayesian         12       0.073       0.002       Bayesian         13       0.100       0.002       Bayesian         14       0.058       0.002       Bayesian				
2     0.066     0.041     Bayesian       3     0.077     0.017     Bayesian       4     0.083     0.059     Bayesian       5     0.082     0.011     Bayesian       6     0.095     0.002     Bayesian       7     0.085     0.008     Bayesian       8     0.107     0.019     Bayesian       9     0.082     0.001     Bayesian       10     0.136     0.002     Bayesian       11     0.075     0.002     Bayesian       12     0.073     0.002     Bayesian       13     0.100     0.002     Bayesian       14     0.058     0.002     Bayesian	-			
3       0.077       0.017       Bayesian         4       0.083       0.059       Bayesian         5       0.082       0.011       Bayesian         6       0.095       0.002       Bayesian         7       0.085       0.008       Bayesian         8       0.107       0.019       Bayesian         9       0.082       0.001       Bayesian         10       0.136       0.002       Bayesian         11       0.075       0.002       Bayesian         12       0.073       0.002       Bayesian         13       0.100       0.002       Bayesian         14       0.058       0.002       Bayesian				
4 0.083 0.059 Bayesian 5 0.082 0.011 Bayesian 6 0.095 0.002 Bayesian 7 0.085 0.008 Bayesian 8 0.107 0.019 Bayesian 9 0.082 0.001 Bayesian 10 0.136 0.002 Bayesian 11 0.075 0.002 Bayesian 12 0.073 0.002 Bayesian 13 0.100 0.002 Bayesian 14 0.058 0.002 Bayesian				
5       0.082       0.011       Bayesian         6       0.095       0.002       Bayesian         7       0.085       0.008       Bayesian         8       0.107       0.019       Bayesian         9       0.082       0.001       Bayesian         10       0.136       0.002       Bayesian         11       0.075       0.002       Bayesian         12       0.073       0.002       Bayesian         13       0.100       0.002       Bayesian         14       0.058       0.002       Bayesian	-			
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7 0.085 0.008 Bayesian 8 0.107 0.019 Bayesian 9 0.082 0.001 Bayesian 10 0.136 0.002 Bayesian 11 0.075 0.002 Bayesian 12 0.073 0.002 Bayesian 13 0.100 0.002 Bayesian 14 0.058 0.002 Bayesian				
8 0.107 0.019 Bayesian 9 0.082 0.001 Bayesian 10 0.136 0.002 Bayesian 11 0.075 0.002 Bayesian 12 0.073 0.002 Bayesian 13 0.100 0.002 Bayesian 14 0.058 0.002 Bayesian	7	0.085	0.008	
9 0.082 0.001 Bayesian 10 0.136 0.002 Bayesian 11 0.075 0.002 Bayesian 12 0.073 0.002 Bayesian 13 0.100 0.002 Bayesian 14 0.058 0.002 Bayesian	8	0.107	0.019	v
10     0.136     0.002     Bayesian       11     0.075     0.002     Bayesian       12     0.073     0.002     Bayesian       13     0.100     0.002     Bayesian       14     0.058     0.002     Bayesian				
12 0.073 0.002 Bayesian 13 0.100 0.002 Bayesian 14 0.058 0.002 Bayesian	10	0.136	0.002	
13 0.100 0.002 Bayesian 14 0.058 0.002 Bayesian	11	0.075	0.002	Bayesian
14 0.058 0.002 Bayesian	12	0.073	0.002	Bayesian
ž	13	0.100	0.002	Bayesian
15 0.143 0.005 Bayesian	14	0.058	0.002	Bayesian
	15	0.143	0.005	Bayesian

Table 1: The best fitting parameters for the one-responses dataset. The first variable,  $\sigma$ , represents the subject's noise level, and the second variable, b, represents their lapse rate. These parameters are sensible,  $\sigma$  is of the order of values used to generate a target Gabor patch, which ranges up to 0.15, and b is typically lower than 1%.

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
2       0.080       0.116       Difference         3       0.053       0.052       Difference         4       0.060       0.008       Difference         5       0.072       0.007       Difference         6       0.075       0.025       Difference         7       0.079       0.004       Difference         8       0.141       0.002       Difference         9       0.092       0.003       Difference         10       0.078       0.016       Difference         11       0.062       0.052       Difference         1       0.073       0.001       Max         2       0.087       0.112       Max         3       0.056       0.068       Max         4       0.074       0.003       Max         5       0.081       0.005       Max         6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.068       0.002       Bayesian         <	Participant	$\sigma$	b	Model
3         0.053         0.052         Difference           4         0.060         0.008         Difference           5         0.072         0.007         Difference           6         0.075         0.025         Difference           7         0.079         0.004         Difference           8         0.141         0.002         Difference           9         0.092         0.003         Difference           10         0.078         0.016         Difference           11         0.062         0.052         Difference           11         0.062         0.052         Difference           1         0.073         0.001         Max           2         0.087         0.112         Max           3         0.056         0.068         Max           4         0.074         0.003         Max           5         0.081         0.005         Max           6         0.094         0.022         Max           7         0.090         0.001         Max           8         0.148         0.004         Max           10         0.096         0.063	1	0.059	0.002	Difference
4       0.060       0.008       Difference         5       0.072       0.007       Difference         6       0.075       0.025       Difference         7       0.079       0.004       Difference         8       0.141       0.002       Difference         9       0.092       0.003       Difference         10       0.078       0.016       Difference         11       0.062       0.052       Difference         1       0.073       0.001       Max         2       0.087       0.112       Max         3       0.056       0.068       Max         4       0.074       0.003       Max         5       0.081       0.005       Max         6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4	2	0.080	0.116	Difference
5         0.072         0.007         Difference           6         0.075         0.025         Difference           7         0.079         0.004         Difference           8         0.141         0.002         Difference           9         0.092         0.003         Difference           10         0.078         0.016         Difference           11         0.062         0.052         Difference           1         0.073         0.001         Max           2         0.087         0.112         Max           3         0.056         0.068         Max           4         0.074         0.003         Max           5         0.081         0.005         Max           6         0.094         0.022         Max           7         0.090         0.001         Max           8         0.148         0.004         Max           9         0.106         0.018         Max           10         0.068         0.002         Bayesian           2         0.097         0.001         Bayesian           3         0.060         0.039         Bayesi	3	0.053	0.052	Difference
6         0.075         0.025         Difference           7         0.079         0.004         Difference           8         0.141         0.002         Difference           9         0.092         0.003         Difference           10         0.078         0.016         Difference           11         0.062         0.052         Difference           1         0.073         0.001         Max           2         0.087         0.112         Max           3         0.056         0.068         Max           4         0.074         0.003         Max           5         0.081         0.005         Max           6         0.094         0.022         Max           7         0.090         0.001         Max           9         0.106         0.018         Max           10         0.096         0.063         Max           11         0.072         0.074         Max           12         0.097         0.001         Bayesian           2         0.097         0.001         Bayesian           3         0.060         0.039         Bayesian <td>4</td> <td>0.060</td> <td>0.008</td> <td>Difference</td>	4	0.060	0.008	Difference
7         0.079         0.004         Difference           8         0.141         0.002         Difference           9         0.092         0.003         Difference           10         0.078         0.016         Difference           11         0.062         0.052         Difference           1         0.073         0.001         Max           2         0.087         0.112         Max           3         0.056         0.068         Max           4         0.074         0.003         Max           5         0.081         0.005         Max           6         0.094         0.022         Max           7         0.090         0.001         Max           8         0.148         0.004         Max           9         0.106         0.018         Max           10         0.096         0.063         Max           1         0.068         0.002         Bayesian           2         0.097         0.001         Bayesian           3         0.060         0.039         Bayesian           4         0.069         0.002         Bayesian	5	0.072	0.007	Difference
8       0.141       0.002       Difference         9       0.092       0.003       Difference         10       0.078       0.016       Difference         11       0.062       0.052       Difference         1       0.073       0.001       Max         2       0.087       0.112       Max         3       0.056       0.068       Max         4       0.074       0.003       Max         5       0.081       0.005       Max         6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7	6	0.075	0.025	Difference
9 0.092 0.003 Difference 10 0.078 0.016 Difference 11 0.062 0.052 Difference 11 0.073 0.001 Max 2 0.087 0.112 Max 3 0.056 0.068 Max 4 0.074 0.003 Max 5 0.081 0.005 Max 6 0.094 0.022 Max 7 0.090 0.001 Max 8 0.148 0.004 Max 9 0.106 0.018 Max 10 0.096 0.063 Max 11 0.072 0.074 Max 1 0.068 0.002 Bayesian 2 0.097 0.001 Bayesian 3 0.060 0.039 Bayesian 4 0.069 0.002 Bayesian 5 0.079 0.003 Bayesian 6 0.082 0.015 Bayesian 7 0.087 0.006 Bayesian 8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 9 0.102 0.002 Bayesian	7	0.079	0.004	Difference
10         0.078         0.016         Difference           11         0.062         0.052         Difference           1         0.073         0.001         Max           2         0.087         0.112         Max           3         0.056         0.068         Max           4         0.074         0.003         Max           5         0.081         0.005         Max           6         0.094         0.022         Max           7         0.090         0.001         Max           8         0.148         0.004         Max           9         0.106         0.018         Max           10         0.096         0.063         Max           11         0.072         0.074         Max           1         0.068         0.002         Bayesian           2         0.097         0.001         Bayesian           3         0.060         0.039         Bayesian           4         0.069         0.002         Bayesian           5         0.079         0.003         Bayesian           6         0.082         0.015         Bayesian	8	0.141	0.002	Difference
11         0.062         0.052         Difference           1         0.073         0.001         Max           2         0.087         0.112         Max           3         0.056         0.068         Max           4         0.074         0.003         Max           5         0.081         0.005         Max           6         0.094         0.022         Max           7         0.090         0.001         Max           8         0.148         0.004         Max           9         0.106         0.018         Max           10         0.096         0.063         Max           11         0.072         0.074         Max           1         0.068         0.002         Bayesian           2         0.097         0.001         Bayesian           3         0.060         0.039         Bayesian           4         0.069         0.002         Bayesian           5         0.079         0.003         Bayesian           6         0.082         0.015         Bayesian           7         0.087         0.006         Bayesian	9	0.092	0.003	Difference
1       0.073       0.001       Max         2       0.087       0.112       Max         3       0.056       0.068       Max         4       0.074       0.003       Max         5       0.081       0.005       Max         6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	10	0.078	0.016	Difference
2       0.087       0.112       Max         3       0.056       0.068       Max         4       0.074       0.003       Max         5       0.081       0.005       Max         6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	11	0.062	0.052	Difference
3       0.056       0.068       Max         4       0.074       0.003       Max         5       0.081       0.005       Max         6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	1	0.073	0.001	Max
4       0.074       0.003       Max         5       0.081       0.005       Max         6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	2	0.087	0.112	Max
5       0.081       0.005       Max         6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	3	0.056	0.068	Max
6       0.094       0.022       Max         7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	4	0.074	0.003	Max
7       0.090       0.001       Max         8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	5	0.081	0.005	Max
8       0.148       0.004       Max         9       0.106       0.018       Max         10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	6	0.094	0.022	Max
9 0.106 0.018 Max 10 0.096 0.063 Max 11 0.072 0.074 Max 1 0.068 0.002 Bayesian 2 0.097 0.001 Bayesian 3 0.060 0.039 Bayesian 4 0.069 0.002 Bayesian 5 0.079 0.003 Bayesian 6 0.082 0.015 Bayesian 7 0.087 0.006 Bayesian 8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	7	0.090	0.001	Max
10       0.096       0.063       Max         11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	8	0.148	0.004	Max
11       0.072       0.074       Max         1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	9	0.106	0.018	Max
1       0.068       0.002       Bayesian         2       0.097       0.001       Bayesian         3       0.060       0.039       Bayesian         4       0.069       0.002       Bayesian         5       0.079       0.003       Bayesian         6       0.082       0.015       Bayesian         7       0.087       0.006       Bayesian         8       0.134       0.002       Bayesian         9       0.102       0.002       Bayesian         10       0.085       0.018       Bayesian	10	0.096	0.063	Max
2 0.097 0.001 Bayesian 3 0.060 0.039 Bayesian 4 0.069 0.002 Bayesian 5 0.079 0.003 Bayesian 6 0.082 0.015 Bayesian 7 0.087 0.006 Bayesian 8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	11	0.072	0.074	Max
3 0.060 0.039 Bayesian 4 0.069 0.002 Bayesian 5 0.079 0.003 Bayesian 6 0.082 0.015 Bayesian 7 0.087 0.006 Bayesian 8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	1	0.068	0.002	Bayesian
4 0.069 0.002 Bayesian 5 0.079 0.003 Bayesian 6 0.082 0.015 Bayesian 7 0.087 0.006 Bayesian 8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	2	0.097	0.001	Bayesian
5 0.079 0.003 Bayesian 6 0.082 0.015 Bayesian 7 0.087 0.006 Bayesian 8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	3	0.060	0.039	Bayesian
6 0.082 0.015 Bayesian 7 0.087 0.006 Bayesian 8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	4	0.069	0.002	Bayesian
7 0.087 0.006 Bayesian 8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	5	0.079	0.003	Bayesian
8 0.134 0.002 Bayesian 9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	6	0.082	0.015	Bayesian
9 0.102 0.002 Bayesian 10 0.085 0.018 Bayesian	7	0.087	0.006	Bayesian
10 0.085 0.018 Bayesian	8	0.134	0.002	Bayesian
v	9	0.102	0.002	Bayesian
	10	0.085	0.018	Bayesian
	11	0.079	0.001	Bayesian

Table 2: The best fitting parameters for the two-responses dataset. As Table 1.

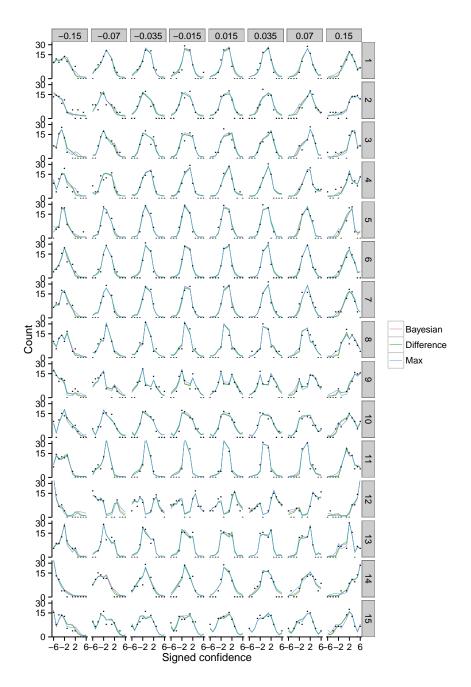


Figure 1: The empirical and fitted distributions over signed confidence given the signed contrast. The lines show the fitted models, and the points show the data. Each row gives the complete responses for one subject. Each column gives the responses to one particular signed contrast level. The axis has been square-root transformed, in order to emphasize differences in low probabilities.

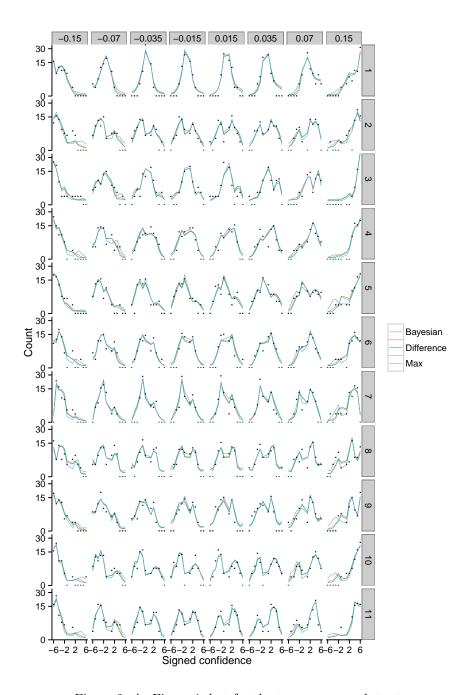


Figure 2: As Figure 1, but for the two-responses dataset.