

**Supplementary Table 1** Pairs of gambles used in the fMRI experiment.

| Gamble 1 |     |      |       | Gamble 2 |     |      |       | Computer selection |              |
|----------|-----|------|-------|----------|-----|------|-------|--------------------|--------------|
| x1       | p   | y1   | (1-p) | x2       | q   | y2   | (1-q) | PF condition       | CF condition |
| 200      | 0.8 | 50   | 0.2   | 200      | 0.2 | 50   | 0.8   | 2                  | 1            |
| 200      | 0.2 | 50   | 0.8   | 200      | 0.5 | 50   | 0.5   | 1                  | 1            |
| 200      | 0.5 | -50  | 0.5   | 50       | 0.5 | -50  | 0.5   | 2                  | 1            |
| 50       | 0.8 | -50  | 0.2   | 200      | 0.2 | -200 | 0.8   | 1                  | 2            |
| 50       | 0.2 | -50  | 0.8   | 200      | 0.5 | 50   | 0.5   | 2                  | 2            |
| 200      | 0.5 | -200 | 0.5   | 200      | 0.8 | 50   | 0.2   | 1                  | 2            |
| 50       | 0.8 | -200 | 0.2   | 200      | 0.5 | -50  | 0.5   | 1                  | 2            |
| 200      | 0.5 | 50   | 0.5   | 50       | 0.5 | -50  | 0.5   | 2                  | 1            |
| 50       | 0.8 | -200 | 0.2   | 200      | 0.8 | -200 | 0.2   | 1                  | 2            |
| 50       | 0.2 | -50  | 0.8   | -50      | 0.5 | -200 | 0.5   | 2                  | 1            |
| 50       | 0.5 | -50  | 0.5   | 50       | 0.5 | -200 | 0.5   | 2                  | 1            |
| 50       | 0.2 | -200 | 0.8   | 50       | 0.2 | -50  | 0.8   | 2                  | 1            |
| 200      | 0.5 | -200 | 0.5   | 50       | 0.5 | -200 | 0.5   | 1                  | 2            |
| 50       | 0.2 | -200 | 0.8   | 50       | 0.8 | -200 | 0.2   | 1                  | 2            |
| 200      | 0.8 | -200 | 0.2   | 50       | 0.2 | -200 | 0.8   | 2                  | 1            |
| 50       | 0.5 | -200 | 0.5   | 50       | 0.8 | -200 | 0.2   | 1                  | 2            |
| 200      | 0.5 | -200 | 0.5   | 50       | 0.8 | -50  | 0.2   | 2                  | 1            |
| 200      | 0.8 | -50  | 0.2   | 200      | 0.5 | 50   | 0.5   | 2                  | 1            |
| -50      | 0.2 | -200 | 0.8   | 200      | 0.2 | -200 | 0.8   | 2                  | 1            |
| -50      | 0.2 | -200 | 0.8   | 200      | 0.5 | -200 | 0.5   | 1                  | 2            |
| 200      | 0.8 | 50   | 0.2   | 200      | 0.5 | -50  | 0.5   | 1                  | 2            |
| 200      | 0.2 | -200 | 0.8   | 50       | 0.2 | -50  | 0.8   | 1                  | 2            |
| 200      | 0.8 | -50  | 0.2   | 50       | 0.8 | -50  | 0.2   | 2                  | 1            |
| -50      | 0.8 | -200 | 0.2   | 200      | 0.2 | -200 | 0.8   | 1                  | 2            |
| -50      | 0.5 | -200 | 0.5   | 200      | 0.8 | -200 | 0.2   | 2                  | 1            |
| -50      | 0.8 | -200 | 0.2   | 200      | 0.8 | -50  | 0.2   | 1                  | 2            |
| -50      | 0.2 | -200 | 0.8   | 50       | 0.8 | -200 | 0.2   | 2                  | 1            |
| -50      | 0.8 | -200 | 0.2   | -50      | 0.5 | -200 | 0.5   | 2                  | 1            |
| 50       | 0.5 | -50  | 0.5   | 50       | 0.2 | -200 | 0.8   | 1                  | 2            |
| 200      | 0.8 | -200 | 0.2   | -50      | 0.2 | -200 | 0.8   | 1                  | 2            |
| 200      | 0.5 | -50  | 0.5   | -50      | 0.5 | -200 | 0.5   | 1                  | 2            |
| -50      | 0.8 | -200 | 0.2   | 200      | 0.2 | -50  | 0.8   | 2                  | 1            |
| 200      | 0.2 | -50  | 0.8   | 200      | 0.8 | 50   | 0.2   | 1                  | 2            |
| 200      | 0.8 | -50  | 0.2   | 50       | 0.8 | -50  | 0.2   | 2                  | 1            |
| 50       | 0.2 | -50  | 0.8   | 200      | 0.5 | 50   | 0.5   | 2                  | 1            |
| 200      | 0.5 | 50   | 0.5   | 50       | 0.2 | -50  | 0.8   | 2                  | 1            |
| 200      | 0.5 | 50   | 0.5   | 200      | 0.8 | -50  | 0.2   | 1                  | 2            |
| 50       | 0.8 | -50  | 0.2   | 200      | 0.8 | -50  | 0.2   | 2                  | 1            |
| 50       | 0.5 | -50  | 0.5   | 50       | 0.5 | -200 | 0.5   | 1                  | 2            |
| 200      | 0.8 | 50   | 0.2   | 200      | 0.5 | -50  | 0.5   | 1                  | 2            |
| 200      | 0.5 | -50  | 0.5   | 50       | 0.8 | -200 | 0.2   | 1                  | 2            |
| 50       | 0.5 | -200 | 0.5   | 200      | 0.5 | -200 | 0.5   | 1                  | 2            |
| 50       | 0.8 | -200 | 0.2   | 200      | 0.8 | -200 | 0.2   | 2                  | 1            |
| 200      | 0.5 | -200 | 0.5   | -50      | 0.2 | -200 | 0.8   | 2                  | 1            |
| 200      | 0.2 | -200 | 0.8   | -50      | 0.8 | -200 | 0.2   | 2                  | 1            |
| 200      | 0.8 | -200 | 0.2   | 200      | 0.5 | -50  | 0.5   | 2                  | 1            |
| 200      | 0.5 | -50  | 0.5   | 200      | 0.8 | -200 | 0.2   | 1                  | 2            |
| 200      | 0.5 | -200 | 0.5   | 200      | 0.2 | -200 | 0.8   | 1                  | 2            |

Note: Computer' choice selection in follow conditions, 1 if gamble 1 and 2 if gamble 2