Table S2: Task dependent beta amplitude-to-rate remapping

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| Table 2 | Monkey P | Monkey R | Combined |
| Positive correlation for both BC and MC,  BC modulation depth > MC modulation depth | 14.7% (10/68) | 6.3% (3/48) | 11.2% (13/116) |
| Positive correlation for both BC and MC,  BC modulation depth < MC modulation depth | 27.9% (19/68) | 4.2% (2/48) | 18.1% (21/116) |
| Negative correlation for both BC and MC,  BC modulation depth > MC modulation depth | 11.8% (8/68) | 29.2% (14/48) | 19.0% (22/116) |
| Negative correlation for both BC and MC,  BC modulation depth < MC modulation depth | 17.6% (12/68) | 33.3% (16/48) | 24.1% (28/116) |
| Positive correlation for BC, negative correlation for MC | 11.8% (8/68) | 12.5% (6/48) | 12.1% (14/116) |
| Negative correlation for BC, positive correlation for MC | 16.2% (11/68) | 14.6% (7/48) | 15.5% (18/116) |