### TABLE A2

Mean reaction times (in ms) and SEM as a function of Task Order (single Go/NoGo first – joint Go/NoGo second; joint Go/NoGo first – single Go/NoGo second), Task Setup (joint Go/NoGo, single Go/NoGo), Stimulus Ball Position (compatible, incompatible), and Stimulus Screen Position (compatible, incompatible), as well as the egocentric and allocentric Simon Effects (SE, in ms, SEM in parenthesis), for the one-element condition from Experiment 1.

|                          | Joint Go/NoGo Task setting | Individual Go/NoGo Task setting |
|--------------------------|----------------------------|---------------------------------|
| **Single Go/NoGo first (N = 20)** |                            |                                 |
| Stimulus Ball Position compatible – Stimulus Screen Position compatible | 368.59 (± 10.94) | 380.77 (± 13.15) |
| Stimulus Ball Position compatible – Stimulus Screen Position incompatible | 387.24 (± 12.88) | 374.28 (± 12.51) |
| Stimulus Ball Position incompatible – Stimulus Screen Position compatible | 372.98 (± 12.93) | 375.93 (± 13.40) |
| Stimulus Ball Position incompatible – Stimulus Screen Position incompatible | 377.59 (± 10.38) | 377.95 (± 12.42) |
| Egocentric SE (i.e., referring to Stimulus Screen Position) | 11.63 (± 3.08) | −2.23 (± 2.51) |
| Allocentric SE (i.e., referring to Ball Position) | −2.63 (± 3.31) | −0.58 (± 1.86) |
| **Joint Go/NoGo first (N = 19)** |                            |                                 |
| Stimulus Ball Position compatible – Stimulus Screen Position compatible | 380.22 (± 12.70) | 377.12 (± 11.64) |
| Stimulus Ball Position compatible – Stimulus Screen Position incompatible | 387.42 (± 10.87) | 380.29 (± 13.71) |
| Stimulus Ball Position incompatible – Stimulus Screen Position compatible | 379.83 (± 11.97) | 390.32 (± 13.71) |
| Stimulus Ball Position incompatible – Stimulus Screen Position incompatible | 386.92 (± 11.59) | 399.14 (± 14.47) |
| Egocentric SE (i.e., referring to Stimulus Screen Position) | 7.15 (± 5.99) | 6.00 (± 3.50) |
| Allocentric SE (i.e., referring to Ball Position) | −0.45 (± 4.30) | 16.03 (± 5.26) |