

## **Description of Additional Supplementary Files**

File name- Supplementary Movie S1

File description – Setup and game demonstration. Human Dyadic Interaction Platform setup and the game demonstration (60 s), followed by the replay of an example intermediate dyad.

File name- Supplementary Movie S2

File description – Cooperative example. Replay of a representative dyad from the cooperative group.

File name- Supplementary Movie S3

File description – Intermediate strategy example. Replay of a representative dyad from the intermediate group.

File name- Supplementary Movie S4

File description – Competition example. Replay of a representative dyad from the competitive group.

File name- Supplementary Movie S5

File description – Invitations examples. Collection cycles where one agent invites the other to a joint target.

File name- Supplementary Movie S6

File description – Cooperative turn-taking. Replay of one of three dyads who alternated between the two joint targets.

File name- Supplementary Movie S7

File description – Strongly curved trajectories. Examples of collection cycles featuring strongly curved trajectories, reflecting initial miscoordination and changes of mind.

File name- Supplementary Movie S8

File description – Competitive placement example. Replay of a dyad performing competitive advantageous placement

File name- Supplementary Movie S9

File description – Cooperative placement for single targets. A special dyad that achieved nearly optimal advantageous placement by splitting the game field.