CollectiveStrategy Predator Handshake Prober 4 Winner21 Hard Prober Adaptive Fortress4 Ripoff Tester Fortress3 Worse and Worse 2 Remorseful Prober: 0.1 Prober 2 Gradual Killer: ('D', 'D' Stochastic WSLS: 0.05 ZD-GTFT-2: 0.25, 0.5 ZD-GEN-2: 0.125, 0.5, 3 Worse and Worse 3 Winner12 Win-Stay Lose-Shift: C VeryBad Two Tits For Tat Tit For Tat Tit For 2 Tats Thumper Spiteful Tit For Tat Soft Joss: 0.9 Soft Grudger Soft Go By Majority: 5 Soft Go By Majority: 40 Soft Go By Majority: 20 Soft Go By Majority: 10 Soft Go By Majority Slow Tit For Two Tats 2 Slow Tit For Two Tats Shubik ShortMem Revised Downing: True Retaliate: 0.1 Retaliate 3: 0.05 Retaliate 2: 0.08 Resurrection Random Hunter Punisher PSO Gambler Mem1 PSO Gambler 2\_2\_2 Noise 0 PSO Gambler 2\_2\_2 PSO Gambler 1\_1\_1 Once Bitten Omega TFT: 3, 8 Nydegger Nice Average Copier Meta Hunter: 6 players Math Constant Hunter MEM2 Limited Retaliate: 0.1, 2 Limited Retaliate 3: 0.05 Limited Retaliate 2: 0.08 Level Punisher Inverse Punisher Inverse Hard Tit For Tat Hard Tit For 2 Tats Grumpy: Nice, 10, -10 GrudgerAlternator Grudger Grofman Gradual General Soft Grudger: n=1 GTFT: 0.33 Forgiving Tit For Tat Forgiver Forgetful Grudger Forgetful Fool Me Once: 0 Fool Me Once Firm But Fair EvolvedLookerUp2\_2\_2 EvolvedLookerUp1\_1\_1 Evolved HMM 5 Evolved FSM 4 Evolved FSM 16 Noise 05 Evolved FSM 16 Evolved ANN 5 Noise 05 Evolved ANN 5 **Evolved ANN Eventual Cycle Hunter** Eatherley Doubler **Defector Hunter** Defector Davis: 10 Cycle Hunter Cooperator Contrite Tit For Tat Appeaser Alternator Hunter Adaptive Tit For Tat: 0.5 Adaptive Pavlov 2011 Adaptive Pavlov 2006 Sneaky Tit For Tat Pun1 Meta Hunter Aggressive: 7 Stochastic Cooperator Fool Me Forever FSM Player: [(0, 'C', 7, EasyGo Cautious QLearner ZD-SET-2: 0.25, 0.0, 2 Arrogant QLearner Risky QLearner Hesitant QLearner ALLCorALLD Raider Cooperator Hunter FSM Player: [(0, 'C', 0, FSM Player: [(0, 'C', 13, ZD-Extort-4: 0.2352941176 Aggravater Random: 0.5 Negation Better and Better SelfSteem Desperate Feld: 1.0, 0.5, 200 Willing Average Copier Calculator Cycler CCCDCD AntiCycler Worse and Worse ThueMorseInverse ThueMorse Bully Anti Tit For Tat Cycler CCD Alternator Cycler DC ZD-Extort-2: 0.1111111111 ZD-Extort-2 v2: 0.125, 0. Tullock: 11 Cycler DDC Cycler CCCD Cycler CCCCCD Prober 3 **Tricky Cooperator** Joss: 0.9 Hopeless SolutionB5 Prober Naive Prober: 0.1 Hard Go By Majority: 10 Hard Go By Majority: 20 Win-Shift Lose-Stay: D Hard Go By Majority: 40 Hard Go By Majority Tricky Defector Suspicious Tit For Tat Hard Go By Majority: 5 Opposite Grudger SolutionB1 0.0

0.6