CS TF1 TF2 Predator Handshake Prober 4 Winner21 Hard Prober Fortress4 Ripoff Tester Grudger TF3 Davis MEM2 Retaliate 3 Retaliate 2 Forgetful Grudger EvolvedLookerUp1_1_1 Retaliate Limited Retaliate 3 Fool Me Once Limited Retaliate 2 Limited Retaliate Inverse Punisher Punisher Forgiver Meta Hunter HTfT Spiteful Tit For Tat 2TfT Inverse Shubik Winner12 **Evolved ANN Evolved ANN 5** PSO Gambler 1_1_1 Evolved FSM 16 Noise 05 Thumper PSO Gambler Mem1 Omega TFT Fortress3 Forgetful Fool Me Once Level Punisher PSO Gambler 2_2_2 Adaptive Pavlov 2006 PSO Gambler 2_2_2 Noise 05 Evolved ANN 5 Noise 05 Evolved HMM 5 EvolvedLookerUp2_2_2 Gradual Adaptive Pavlov 2011 Resurrection **CTfT** TfT Adaptive Tit For Tat Evolved FSM 16 FTfT Nice Average Copier Worse and Worse 3 Remorseful Prober ShortMem Soft Go By Majority: 5 General Soft Grudger Soft Grudger Doubler Soft Joss Once Bitten **Revised Downing** Prober 2 ZD-GTFT-2 ZD-GEN-2 VeryBad Evolved FSM 4 GrudgerAlternator Slow Tit For Two Tats 2 Soft Go By Majority: 20 Soft Go By Majority: 10 Soft Go By Majority: 40 HTf2T Soft Go By Majority Firm But Fair **GTFT** Eatherley Math Constant Hunter **Appeaser WSLS** Adaptive Tf2T Slow Tit For Two Tats Grumpy Grofman Worse and Worse 2 **Gradual Killer** Stochastic WSLS Stochastic Cooperator Sneaky Tit For Tat Defector Meta Hunter Aggressive ZD-SET-2 Raider **ALLCorALLD** Better and Better **Eventual Cycle Hunter** Average Copier Pun1 Aggravater Calculator SelfSteem Arrogant QLearner Cautious QLearner Nydegger Hesitant QLearner Risky QLearner ZD-Extort-4 Random Hunter Cycle Hunter Random Feld Tullock **Defector Hunter** Alternator Hunter ZD-Extort-2 ZD-Extort-2 v2 Cooperator Cycler DDC Desperate Worse and Worse ThueMorseInverse EasyGo Fool Me Forever ThueMorse Prober 3 Alternator Cycler DC Cycler CCCDCD Cooperator Hunter Cycler CCD AntiCycler Cycler CCCD Cycler CCCCCD Tricky Cooperator Willing Prober Joss Naive Prober Negation Bully SolutionB5 Anti Tit For Tat Hard Go By Majority: 10 Hard Go By Majority: 20 Hard Go By Majority: 40 Hopeless Hard Go By Majority Hard Go By Majority: 5 Tricky Defector Suspicious Tit For Tat WShLSt Opposite Grudger SolutionB1 0.4 0.6 0.0 0.2 8.0