## A: CD8+ T-cells infiltration TCGA vs anti-PD1/L1 **SKCM KIRC** SKCM anti-PD1/L1 KIRC anti-PD1/L1 (n.high = 217, n.low = 217)(n.high = 257, n.low = 258)(n.high = 109, n.low = 109)(n.high = 14, n.low = 14)1.00 -1.00 y1.00 0.22 0.20 1 variable 1.00 (0.50) variation of probability 1.00 0.75 0.50 HR = 1.13(0.8354-logrankP = 0.425 HR = 0.96(0.6665 0.00 logrankP = 0.809 HR = 0.86(0.3377 0.00 - logrankP = 0.761 HR = 1.13(0.8354-1.5315)HR = 0.96(0.6665-1.3723)HR = 0.86(0.3377 - 2.2112)HR = 0.56(0.4189 - 0.7406)150 Time in months Time in months Time in months Time in months BLCA anti-PD1/L1 STAD anti-PD1/L1 **BLCA STAD** (n.high = 197, n.low = 198)(n.high = 193, n.low = 193)(n.high = 138, n.low = 138)(n.high = 22, n.low = 21)1.00 - 1. probability 0.20 0.20 probability 0.75 0.50 HR = 0.73(0.5449-0 0.00 - logrankP = 0.0368 HR = 1.7(0.7433-3 logrankP = 0.204 HR = 1.02(0.7331-1.4061)HR = 0.73(0.5449-0.9822) HR = 0.66(0.4851 - 0.8873)HR = 1.7(0.7433-3.8855) $\sqrt{5}$ 0.00 - logrankP = 0.927 120 160 25 10 120 Time in months Time in months Time in months Time in months Strata + CD8cells=ligh + CD8cells=low Strata + CD8cells=high B: CD4+ T-cells infiltration TCGA vs anti-PD1/L1 **SKCM** KIRC anti-PD1/L1 SKCM anti-PD1/L1 (n.high = 217, n.low = 217)(n.high = 257, n.low = 258)(n.high = 109, n.low = 109)(n.high = 14, n.low = 14)1.00 -1.00 brobability probability 1.00 probability 0.20 0.20 HR = 0.69(0.4786-0 0.00 - logrankP = 0.0441 HR = 0.48(0.1817-logrankP = 0.134 HR = 0.89(0.6555-1.1992) HR = 0.69(0.4786-0.9923) HR = 0.48(0.1817-1.2785)HR = 1.1(0.8303-1) $\sigma_{0.00}$ - logrankP = 0.434 200 400 100 150 Time in months Time in months Time in months Time in months **BLCA STAD** BLCA anti-PD1/L1 STAD anti-PD1/L1 (n.high = 197, n.low = 198)(n.high = 193, n.low = 193)(n.high = 138, n.low = 138)(n.high = 22, n.low = 21)1.00 - 1. probability 100. 1.00 - HR = 0.9(0.6692-1 0.00 - logrankP = 0.463 1.00 hopping 1.00 (1.00 0.75 HR = 2.14(0.9041-5 logrankP = 0.0765 HR = 0.9(0.6471-1 logrankP = 0.509 HR = 0.9(0.6471-1.2408)HR = 2.14(0.9041-5.0613) HR = 0.9(0.6692-1.2007)HR = 0.92(0.682-1.2405)160 120 120 10 25 10 80 60 15 20 15 Time in months Time in months Time in months Time in months Strata + CD4cells=low Strata + CD4cells=high + CD4cells=low C: B cells infiltration TCGA vs anti-PD1/L1 **SKCM KIRC** SKCM anti-PD1/L1 KIRC anti-PD1/L1 (n.high = 217, n.low = 217)(n.high = 257, n.low = 258)(n.high = 109, n.low = 109)(n.high = 14, n.low = 14)1.00 - 1. 1.00 - 1.00 - 1. probability 0.75 0.50 HR = 0.75(0.5245-0.00 logrankP = 0.127 HR = 1.1(0.4242-2.8677 HR = 1.07(0.8121-1.4128 HR = 1.67(1.2311-2.2736) HR = 0.75(0.5245-1.0844)150 100 200 20 Time in months Time in months Time in months Time in months **STAD** BLCA anti-PD1/L1 STAD anti-PD1/L1 **BLCA** (n.high = 193, n.low = 193)(n.high = 197, n.low = 198)(n.high = 138, n.low = 138)(n.high = 22, n.low = 21)1.00 -probability 0.75 HR = 1.89(0.817-logrankP = 0.13 HR = 1.06(0.7651-logrankP = 0.729 HR = 1.06(0.7651-1.4664) HR = 0.97(0.723-1.2976)HR = 1.89(0.817-4.3786)HR = 0.78(0.5784-1.0549)120 160 10 120 15 Time in months Time in months Time in months Time in months Strata + B\_cells=high B\_cells=low Strata + B\_cells=high + B\_cells=low D: Tumor Purity TCGA vs anti-PD1/L1 **SKCM KIRC** SKCM anti-PD1/L1 KIRC anti-PD1/L1 (n.high = 50, n.low = 51)(n.high = 265, n.low = 265)(n.high = 109, n.low = 109)(n.high = 14, n.low = 14)1.00 - 1. 1.00 -1.00 y1.00 0.20 0.20 probability 1.00 HR = 1.15(0.8021 S) 0.00 -logrankP = 0.444 HR = 1.02(0.3863 0.00 logrankP = 0.966 HR = 0.86(0.6402-1.1649) HR = 1.15(0.8021-1.6529) HR = 2.17(0.9874-4.7843) HR = 1.02(0.3863-2.6999)150 100 30 Time in months Time in months Time in months Time in months BLCA anti-PD1/L1 STAD anti-PD1/L1 **BLCA STAD** (n.high = 185, n.low = 185)(n.high = 203, n.low = 203)(n.high = 138, n.low = 138)(n.high = 22, n.low = 21)1.00 tilldedord probability probability 0.75 propagation 0.50 probability 0.75 1.00 brobability (1.00 co.50 c urvival probability 0.22 0.22 urvival J urvival 0.25 HR = 0.86(0.6367-1.1516)HR = 0.85(0.6142-1.1855)HR = 0.91(0.676-1.2141)HR = 0.92(0.4052-2.1) $\sqrt{50.00} \cdot \frac{10000}{0} = 0.304$ 5 10 15 Time in months Time in months Time in months Time in months Strata + TumorPurity=high + TumorPurity=low Strata + TumorPurity=high + TumorPurity=low