



Fig. S1. **Illustration of 3D co-culture.** BTRT or SKRT cells were cocultured with BCAFs in 96 well "U" bottom unattached plates. The spheres were treated with AMD3100 (2.5 μ M) on day 3. For three line-co-culture, PBMCs were seeded on day 5, followed by treatment with trastuzumab (20 μ g/ml). Cell viability was detected with CellTiterGlo.