

S1 Table. Information of 6 clinical studies

SMC cohort 1	Exploration of biomarker using serum and tissue gene expression profile in breast cancer patients.
SMC cohort 2	Genetic alteration after systemic treatment in breast cancer
SMC cohort 3	Clinicopathological features of early failure of neoadjuvant chemotherapy in locally advanced breast cancer
SMC cohort 4	A prospective, open-label, single-arm, multi-center, phase II exploratory trial to evaluate the efficacy and safety of NOV120101 (Poziotinib) in patients with HER2-overexpressed recurrent stage IV breast cancer who have received at least two prior HER2
SMC cohort 5	Targeted sequencing using paired tumor and normal tissue from biobank for patients with breast cancer who received curative surgery
SMC cohort 6	Mutational spectrum of brain metastases from breast cancer compared with primary breast cancer tissue according to breast cancer intrinsic subtypes using high-throughput AmpliSeq
