First search Second search Literature search from 01.01.2014 Literature search from 01.01.2020 to 10.02.2023 in PubMed with terms to 10.02.2023 in PubMed with terms "breast cancer" and "everolimus" "breast cancer" and "everolimus", 669 hits meta-analysis or systemic review Selecting publications discussing everolimus treatment. Selecting clinical trials and randomized controlled trials 4 hits 84 hits Third search Selecting all phase 3 trials, phase 1-2 Search in clinicaltrials.gov with rials with not repetitive terms "breast cancer" and information, and studies with "everolimus" biomarker results. 133 hits Excluding early breast cancer trials, subsequent publication of the same trial, and trials with other indication 33 clinical trials Selecting active trials or trials with 8 biomarker analysis results not yet published; in metastatic breast cancer 6 hits

Figure S1 A detailed search strategy.