

**S7 Table.** List of samples for breast cancer organoids

Organoid ID	Fluid	Cytopathology	Success	Clinical subtype	ER(IHC) <sup>a)</sup>	PR(IHC) <sup>a)</sup>	HER2(IHC)
BC01-PE	Pleural effusion	Positive	Fail	HR+ HER2+	6	6	3+
BC02-PE	Pleural effusion	Negative	Fail	HR+ HER2-	8	6	2+/ISH-
BC03-PE	Pleural effusion	Positive	Success	HR- HER2+	0	2	3+
BC04-PE	Pleural effusion	Negative	Fail	TNBC	0	0	0
BC05-PE	Pleural effusion	Positive	Fail	HR+ HER2-	8	4	2+/ISH-
BC06-PE	Pleural effusion	Positive	Success	TNBC	0	0	0
BC07-PE	Pleural effusion	Positive	Fail	TNBC	0	0	1+
BC08-PE	Pleural effusion	Negative	Fail	TNBC	0	0	1+
BC09-PE	Pleural effusion	Negative	Fail	HR+ HER2+	7	7	3+
BC10-PE	Pleural effusion	Negative	Fail	HR+ HER2+	4	0	1+

ER, estrogen receptor; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; IHC, immunohistochemical staining; ISH, in-situ hybridization; PR, progesterone receptor; TNBC, triple-negative breast cancer. <sup>a)</sup>Immunohistochemical staining for ER and PR were assessed by the Allred score, of which 3 or higher indicates a positive staining result.