

Supplementary Table 1. *In vivo* dormant breast cancer cell lines.

Cell line	ER status. subtype	Known <i>in vivo</i> tropism	Origin	Subtype	Refs. for <i>in vivo</i> and <i>in vitro</i> use
MCF-7	ER ^{+/PR⁺}	Lung ^{A,D} (Albrengues et al., 2018; Harrell et al., 2006). Moderately metastatic: bone ^{B,D} (Carlson et al., 2019; Holen et al., 2016; Wright et al., 2016)	Human, Met pleural effusion	LumA	Albrengues et al., 2018; Barkan et al., 2008; Barney et al., 2019; Barrios & Wieder, 2009; Carlson et al., 2019; Ghajar et al., 2013; Holen et al., 2016; Imamura et al., 2015; Korah et al., 2004; Lee et al., 2018; Marlow et al., 2013; Najmi et al., 2005; Sowder & Johnson, 2018; Wheeler et al., 2014; Wright et al., 2016
ZR-75-1	ER ^{+/PR⁺}	Bone ^{B,D} (Gawrzak et al., 2018; Wright et al., 2016)	Human, Met ascites	LumA	Marlow et al., 2013; Wright et al., 2016; Fluegen et al., 2017; Gawrzak et al., 2018; Barney et al., 2019
T-47D	ER ^{+/PR⁺}	LN, lung ^D (Harrell et al., 2006), bone ^D (Holen et al., 2016)	Human, Met pleural effusion	LumA	Korah et al., 2004; Najmi et al., 2005; Harrell et al., 2006; Marlow et al., 2013
4T07	Un.	LN, lung [aggressive ^A (Miller et al., 1987), dormant ^C , Gao et al., 2012], bone marrow ^C , Carlson et al., 2019]	<i>In vivo</i> and <i>in vitro</i> selection of a spontaneous mammary tumour from BALB/cfC3H mice	Un.	Aslakson and Miller, 1992; Gao et al., 2012, 2016; Malladi et al., 2016; Carlson et al., 2019
D2.0R	ER ^{+/PR⁺}	Lung ^A (Albrengues et al., 2018; Barkan et al., 2010), liver ^{C,E} (Naumov et al., 2002)	Primary tumor from D2 preneoplastic mammary hyperplastic alveolar nodule line	LumA	Naumov et al., 2002; Barkan et al., 2008, 2010; Shibue and Weinberg, 2009; Touny et al., 2014; Albrengues et al., 2018; Sowder and Johnson, 2018
HCC1954-LCC1	ER ^{-/PR⁻} (parental line)	Brain ^B (Malladi et al., 2016), lung (Malladi et al., 2016)	Recovered from metastasis-free lungs of mice injected with HCC1954 cells	Her2 (parental HCC1954)	Malladi et al., 2016
D2.A1-d	ER ^{-/PR⁻} (parental line)	Lung ^A (Cock et al., 2016)	Ten rounds of isolation from lungs of mice injected in tail vein	LumB (parental D2.A1)	Cock et al., 2016
MDA-MB-231-SCP6	ER ^{-/PR⁻} (parental line)	Bone ^B (Lu et al., 2011)	MDA-MB-231 subclone with low expression of bone-metastasis signature	TNBC (parental MDA-MB-231)	Kang et al., 2003; Lu et al., 2011
HMT-3522-T4-2	ER ^{-/PR⁻} (parental line)	Weakly metastatic: lung ^B (Ghajar et al., 2013), bone marrow ^B (Ghajar et al., 2013), brain ^B (Ghajar et al., 2013)	<i>In vitro</i> and <i>in vivo</i> selection of a weakly tumorigenic cell line derived from a fibrocystic lesion	TNBC (parental HMT-3522)	Briand and Lykkesfeldt, 2001; Ghajar et al., 2013
T47D-DBM	ER ^{+/PR⁺} (parental line)	Bone ^B (Gawrzak et al., 2018)	<i>In vivo</i> selection from metastasis-free bones of mice injected with T47D cells	LumA (parental T47D)	Gawrzak et al., 2018

A: after tail vein injection

B: after intracardiac injection

C: from primary tumor

D: from primary tumor with Matrigel or Cultrex

E: from mesenteric vein injection

Un.: Unknown