

Supplemental Table 1. PDX Sample Information

PDX Name	Dx	Status	Location	Common Mutations	Tx	Link
SJOS030605_X1	OS	Rec, Met	Chest Wall	TP53	Yes	<a href="https://cstn.stjude.cloud/sample/SJOS030605_X1">https://cstn.stjude.cloud/sample/SJOS030605_X1</a>
SJOS001105_X1		Rec, Met	Femur	TP53, DLG2, TBC1D16, WRNIP1, GABRB1, SEC1P	No	<a href="https://cstn.stjude.cloud/sample/SJOS001105_X1">https://cstn.stjude.cloud/sample/SJOS001105_X1</a>
SJOS030597_X1		Rec, Primary	Femur	NR	No	<a href="https://cstn.stjude.cloud/sample/SJOS030597_X1">https://cstn.stjude.cloud/sample/SJOS030597_X1</a>
SJOS030272_X1		Rec, Primary	Femur	TP53, STX8, ARTX, TBC1D16, GABRB1, SYN3	Yes	<a href="https://cstn.stjude.cloud/sample/SJOS030272_X1">https://cstn.stjude.cloud/sample/SJOS030272_X1</a>
SJEWS063834_X1	EWS	Rec, Met	Chest Wall	EWSR1, FLI1	No	<a href="https://cstn.stjude.cloud/sample/SJEWS063834_X1">https://cstn.stjude.cloud/sample/SJEWS063834_X1</a>
SJEWS049193_X1		Rec, Met	Lung	EWSR1, FLI1, TP53, MIR5009	Yes	<a href="https://cstn.stjude.cloud/sample/SJEWS049193_X1">https://cstn.stjude.cloud/sample/SJEWS049193_X1</a>
SJEWS063826_X1		Rec, Met	Axilla	EWSR1, FLI1, TP53, ERG	No	<a href="https://cstn.stjude.cloud/sample/SJEWS063826_X1">https://cstn.stjude.cloud/sample/SJEWS063826_X1</a>
SJEWS063829_X1		Primary	Femur	NR	Yes	<a href="https://cstn.stjude.cloud/sample/SJEWS063829_X1">https://cstn.stjude.cloud/sample/SJEWS063829_X1</a>
SJRHB015721_X1	RMS	Rec, Met	Retroperitoneum	NR	Yes	<a href="https://cstn.stjude.cloud/sample/SJRHB015721_X1">https://cstn.stjude.cloud/sample/SJRHB015721_X1</a>
SJRHB000026_X1		Rec, Primary	Pelvis	PIK3CA, HRAS, NOCTH1, LRP1B, CDKN2A	No	<a href="https://cstn.stjude.cloud/sample/SJRHB000026_X1">https://cstn.stjude.cloud/sample/SJRHB000026_X1</a>
SJRHB011_X		Rec, Primary	Infratemporal fossa	PIK3CA, TP53, CDKN2A, LRP1B, SYNE1, FGFR4, CACNA1H, MUC16, HGF	No	<a href="https://cstn.stjude.cloud/sample/SJRHB011_X">https://cstn.stjude.cloud/sample/SJRHB011_X</a>
SJRHB013758_X1		Primary	Abdomen	HRAS, TP53	No	<a href="https://cstn.stjude.cloud/sample/SJRHB013758_X1">https://cstn.stjude.cloud/sample/SJRHB013758_X1</a>

PDX: Patient derived xenograft, Dx: Diagnosis, Tx: Therapy, OS: Osteosarcoma, EWS: Ewing Sarcoma, RMS: Rhabdomyosarcoma, Rec: Recurrent, Met: Metastatic, NR: not reported.