

Appendix

Appendix Table 1: Statistical summary analysis for individual outcomes and corresponding 'n' values

Outcome	Cell line	n	Linear	Non-linear	Model	n	Interaction Capan only	Interaction DEC:PS1
Gel Length	Aspc1:PS1	72	<0.001	0.001	FP(2,2)	88	<0.001	<0.001
	Capan1:PS1	72	<0.001	0.053	linear	88	<0.001	<0.001
	Capan1 only	16	0.998	0.392	constant		-	-
	DEC:PS1	16	0.989	0.473	constant		-	-
Gel Thickness	Aspc1:PS1	72	<0.001	0.077	linear	88	<0.001	<0.001
	Capan1:PS1	72	<0.001	<0.001	FP(2,3)	88	<0.001	<0.001
	Capan1 only	16	0.427	0.086	constant		-	-
	DEC:PS1	16	0.997	0.468	constant		-	-
Fold Change	Aspc1:PS1	72	<0.001	0.097	linear	88	0.002	0.001
	Capan1:PS1	72	<0.001	<0.001	FP(-2,3)	88	<0.001	<0.001
	Capan1 only	16	<0.001	0.576	linear		-	-
	DEC:PS1	16	0.132	0.803	constant		-	-
Proliferation	Aspc1:PS1	432	<0.001	<0.001	FP(2,3)	528	<0.001	<0.001
	Capan1:PS1	432	<0.001	<0.001	FP(-2,-1)	528	<0.001	<0.001
	Capan1 only	96	<0.001	0.791	linear		-	-

	DEC:PS1	96	0.058	0.443	constant	-	-	-
Apoptosis	Aspc1:PS1	432	<0.001	0.072	linear	528	<0.001	<0.001
	Capan1:PS1	432	<0.001	<0.001	FP(2,2)	528	<0.001	<0.001
	Capan1 only	96	0.003	0.779	linear	-	-	-
	DEC:PS1	96	0.292	0.463	constant	-	-	-
Invasion (Single cell)	Aspc1:PS1	432	<0.001	<0.001	FP(0,3)	-	-	-
	Capan1:PS1	432	<0.001	<0.001	FP(-1,3)	-	-	-
Invasion (Cohort)	Aspc1:PS1	432	<0.001	<0.001	FP(0,5)	-	-	-
	Capan1:PS1	432	<0.001	<0.001	FP(0,3)	-	-	-
E-Cadherin *	Aspc1:PS1	432	<0.001	0.002	FP(3,3)	528	0.001	-
	Capan1:PS1	432	<0.001	<0.001	FP(3,3)	528	<0.001	-
	Capan1 only	96	0.578	0.597	constant	-	-	-
B-Catenin *	Aspc1:PS1	432	<0.001	<0.001	FP(3,3)	528	<0.001	-
	Capan1:PS1	432	0.978	<0.001	FP(3,3)	528	0.093	-
	Capan1 only	96	0.965	0.943	constant	-	-	-
PIGR	Aspc1:PS1	144	<0.001	<0.001	FP(3,3)	240	<0.001	-
	Capan1:PS1	144	<0.001	<0.001	FP(3,3)	240	<0.001	-
	Capan1 only	96	0.222	0.050	constant	-	-	-

*model fitted with dummy variable