Topological data analysis distinguishes parameter regimes in the Anderson-Chaplain model of angiogenesis

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Feature	In Sample Accuracy	Out of Sample Accuracy
$\text{PIR}_1(K^{LTR})$	92.3%	91.5%
$\text{PIO}_0(K^{LTR})$	90.1%	83.5%
$\text{PIO}_1(K^{RTL})$	82.4%	74.9%
$\text{PIO}_1(K^{LTR})$	82.6%	74.7%
$\beta_1(K^{LTR})$	82.3%	74.1%
$\text{PIR}_1(K^{RTL})$	78.3%	73.3%
$\text{PIO}_0(K^{RTL})$	82.9%	73.0%
$\beta_1(K^{RTL})$	77.9%	72.7%
$\text{PIR}_0(K^{RTL})$	78.0%	72.7%
$\beta_0(K^{RTL})$	79.0%	70.8%
$\beta_1(K^{TTB})$	74.1%	68.6%
$\beta_0(K^{LTR})$	77.7%	66.1%
$\beta_1(K^{BTT})$	71.4%	65.0%
$\text{PIO}_1(K^{BTT})$	73.3%	64.5%
$\text{PIO}_1(K^{TTB})$	73.9%	64.5%
$\beta_0(K^{BTT})$	72.3%	61.4%
$\text{PIR}_1(K^{BTT})$	69.3%	60.6%
$\text{PIO}_0(K^{TTB})$	68.0%	60.1%
$\text{PIR}_1(K^{TTB})$	70.1%	59.8%
$\text{PIO}_0(K^{BTT})$	67.9%	56.5%
$\text{PIR}_0(K^{LTR})$	67.1%	54.8%
$\beta_0(K^{TTB})$	64.6%	50.1%
$\text{PIR}_0(K^{BTT})$	55.6%	41.6%
$\text{PIR}_0(K^{TTB})$	51.9%	36.6%

S5 Table. Individual plane sweeping clustering. Out of Sample Accuracy scores for individual feature vectors from the sweeping plane filtration using k-means classification with $k = 5$.