

Table S1. The K_{sv} and K_q values of flavor compounds in myofibrillar protein treated by enzymes at different time points

Enzyme	Flavor compounds	Time (min)	K_{sv} (L ⁻¹ mol)	K_q (10 ⁸ Lmol ⁻¹ s ⁻¹)	R ²
Papain	Butyraldehyde	Control (0)	14.30±1.36	14.30±1.36	0.9997
		5	10.72±1.47	10.72±1.47	0.9999
		15	23.52±0.73	23.52±0.73	0.9988
		30	14.71±1.68	14.71±1.68	0.9973
		50	9.67±1.25	9.67±1.25	0.9999
	Octanal	Control (0)	179.53±4.45	179.53±4.45	0.9850
		5	203.78±1.29	203.78±1.29	0.9886
		15	240.75±3.64	240.75±3.64	0.9850
		30	182.19±2.70	182.19±2.70	0.9790
		50	191.88±1.94	191.88±1.94	0.9805
	2-Pentanone	Control (0)	22.57±2.37	22.57±2.37	0.9850
		5	30.20±1.21	30.20±1.21	0.9997
		15	28.28±1.54	28.28±1.54	0.9995
		30	30.42±0.27	30.42±0.27	0.9999
		50	24.58±1.39	24.58±1.39	0.9997
	2-Octanone	Control (0)	25.17±0.65	25.17±0.65	0.9998
		5	48.36±1.58	48.36±1.58	0.9997
		15	52.22±2.17	52.22±2.17	0.9998
		30	48.94±1.14	48.94±1.14	0.9983

Bromelain	Butyraldehyde	50	44.55±1.78	44.55±1.78	0.9981
		Control (0)	14.30±1.36	14.30±1.36	0.9997
		5	9.55±0.60	9.55±0.60	0.9999
		15	11.56±0.58	11.56±0.58	0.9999
		30	4.79±2.88	4.79±2.88	0.9995
	Octanal	50	15.66±0.74	15.66±0.74	0.9996
		Control (0)	179.53±4.45	179.53±4.45	0.9850
		5	163.73±5.53	163.73±5.53	0.9874
		15	157.04±2.66	157.04±2.66	0.9781
		30	201.90±1.71	201.90±1.71	0.9812
	2-Pentanone	50	225.77±2.79	225.77±2.79	0.9778
		Control (0)	22.57±2.37	22.57±2.37	0.9850
		5	26.09±0.90	26.09±0.90	0.9998
		15	22.33±1.79	22.33±1.79	0.9997
		30	13.24±1.86	13.24±1.86	0.9999
Proteinase K	2-Octanone	50	20.38±1.95	20.38±1.95	0.9997
		Control (0)	25.17±0.65	25.17±0.65	0.9998
		5	44.14±1.76	44.14±1.76	0.9997
		15	39.30±2.21	39.30±2.21	0.9991
		30	58.60±1.92	58.60±1.92	0.9993
	Butyraldehyde	50	27.88±1.70	27.88±1.70	0.9992
		Control (0)	14.30±1.36	14.30±1.36	0.9997
		5	13.47±0.44	13.47±0.44	0.9996
		15	13.18±0.81	13.18±0.81	0.9999
		30	15.07±1.90	15.07±1.90	0.9997

	50	6.70±0.98	6.70±0.98	0.9999
	Control (0)	179.53±4.45	179.53±4.45	0.9850
	5	152.75±12.90	152.75±12.90	0.9850
Octanal	15	147.43±4.76	147.43±4.76	0.9833
	30	138.38±1.34	138.38±1.34	0.9896
	50	151.94±5.71	151.94±5.71	0.9873
	Control (0)	22.57±2.37	22.57±2.37	0.9850
	5	26.87±1.72	26.87±1.72	0.9999
2-Pentanone	15	25.99±0.30	25.99±0.30	0.9998
	30	25.56±0.77	25.56±0.77	0.9998
	50	22.96±0.78	22.96±0.78	0.9999
	Control (0)	25.17±0.65	25.17±0.65	0.9998
	5	44.12±1.37	44.12±1.37	0.9995
2-Octanone	15	31.44±3.24	31.44±3.24	0.9999
	30	35.38±1.86	35.38±1.86	0.9985
	50	36.02±0.83	36.02±0.83	0.9997
