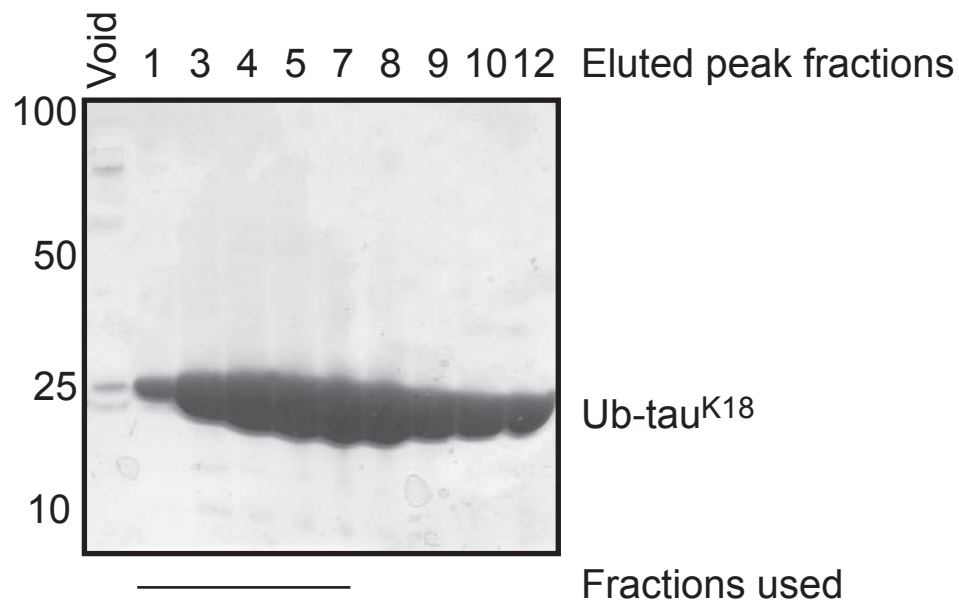
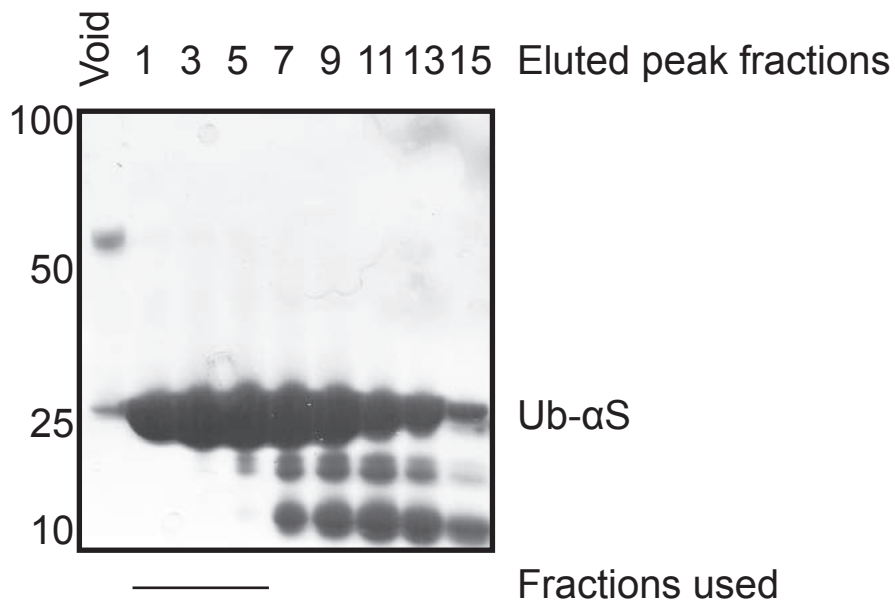


Supplementary Figure 1

a

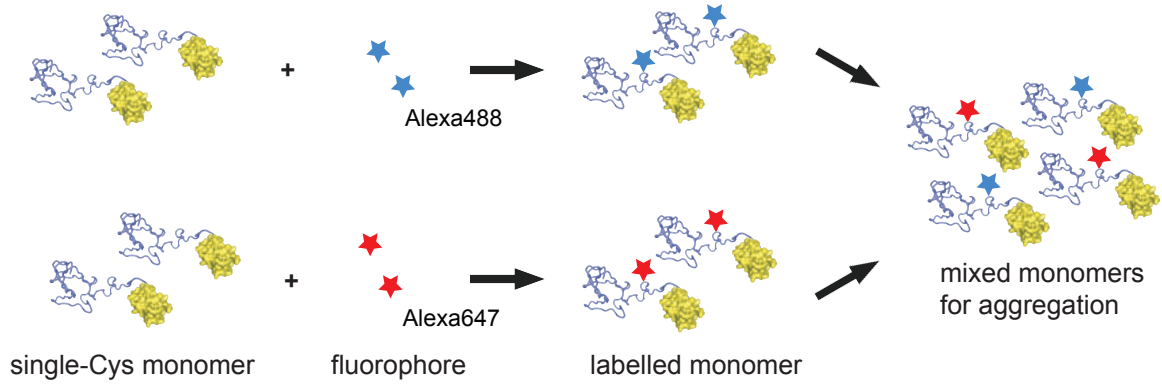


b

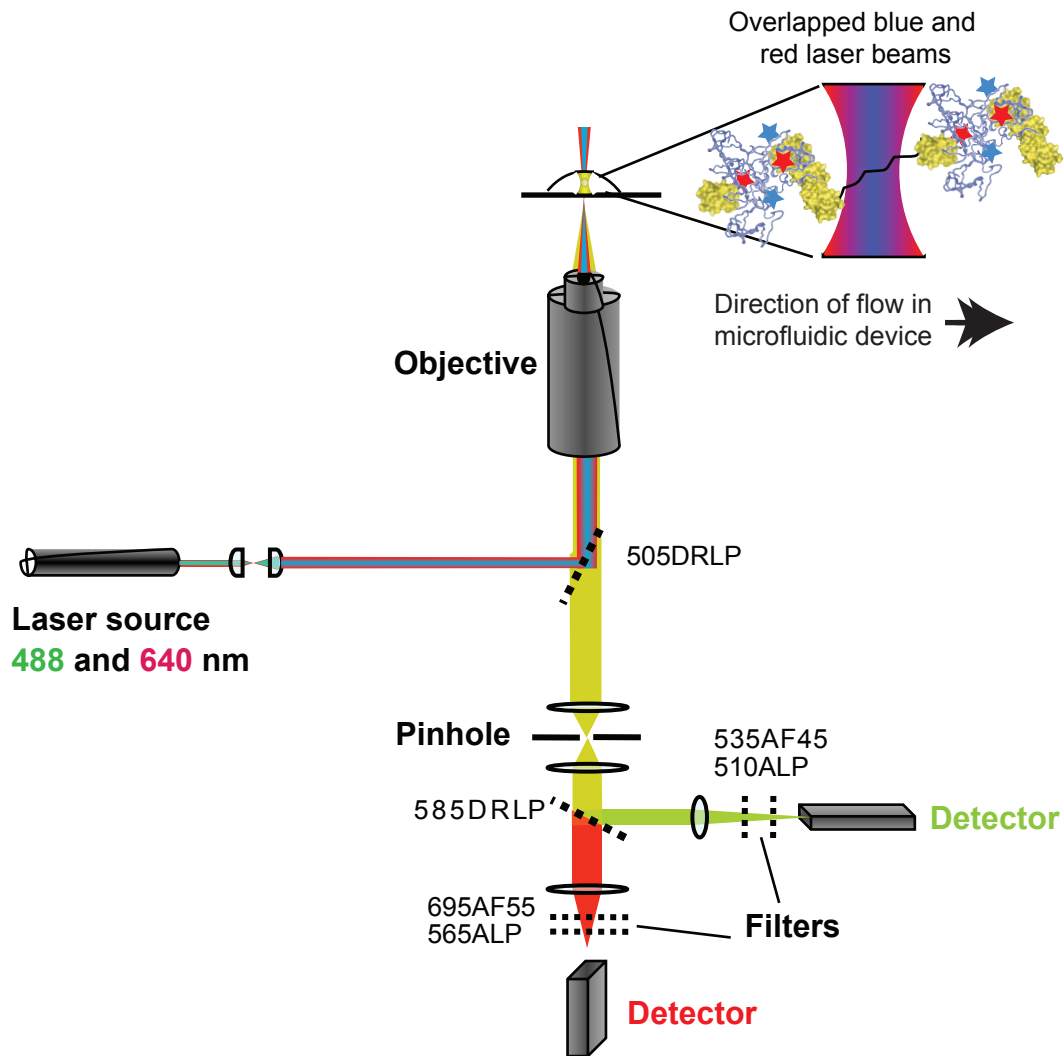


Supplementary Figure 2

a

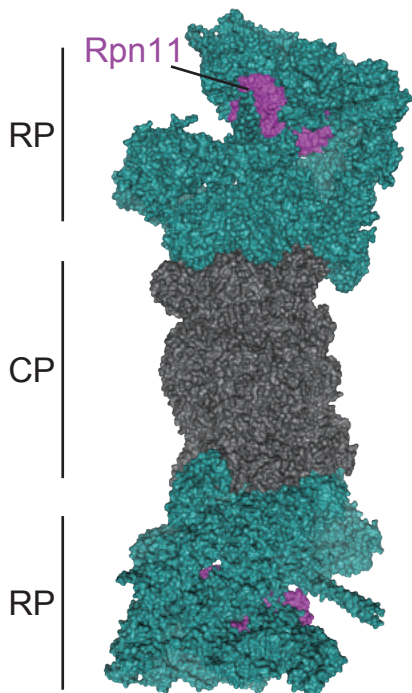


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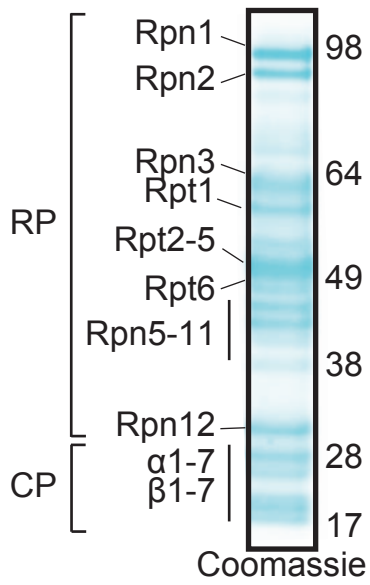


Supplementary Figure 3

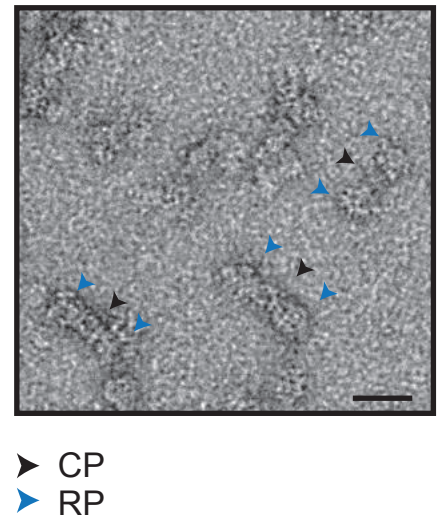
a



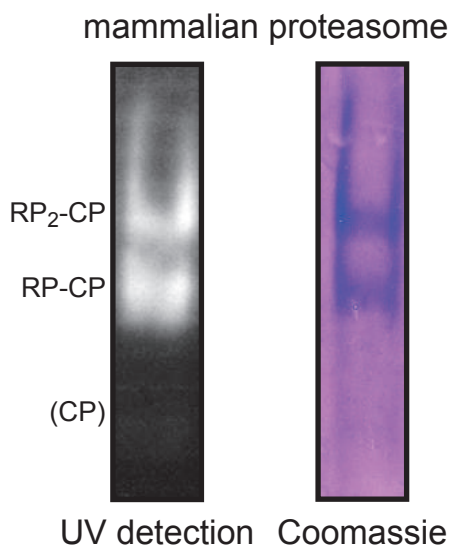
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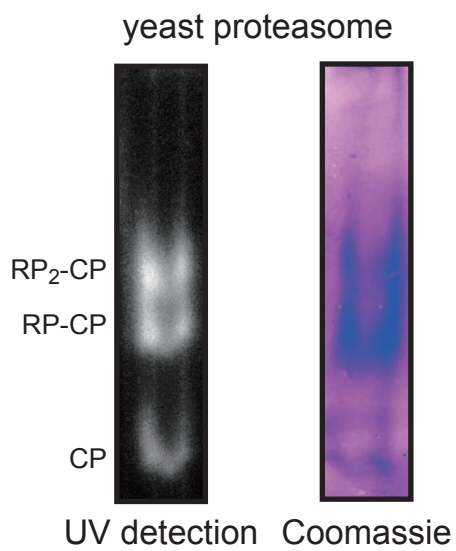
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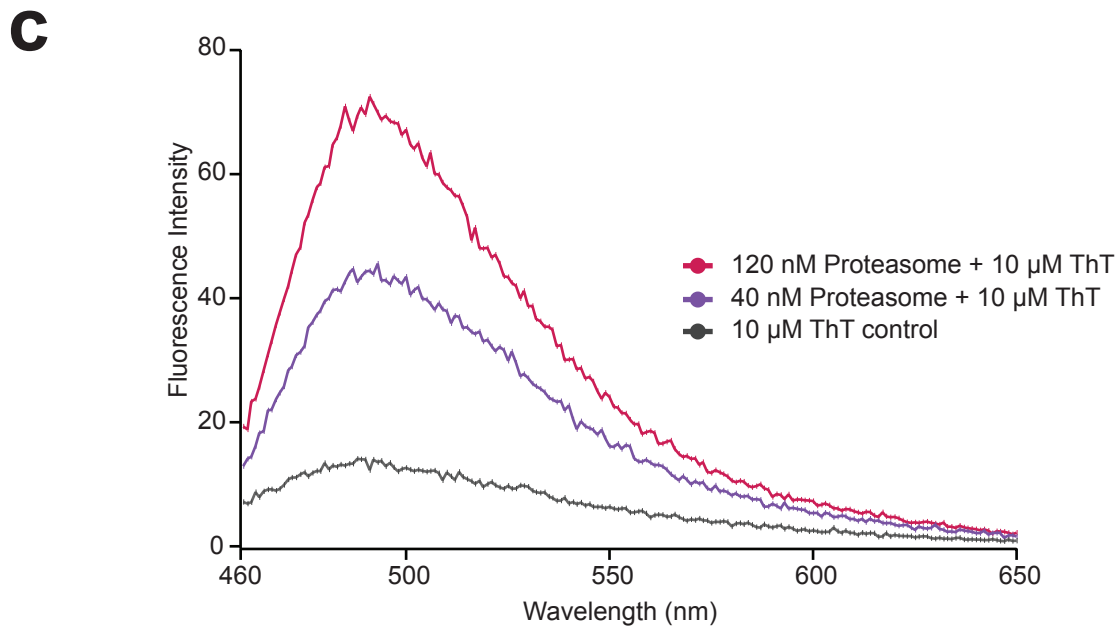
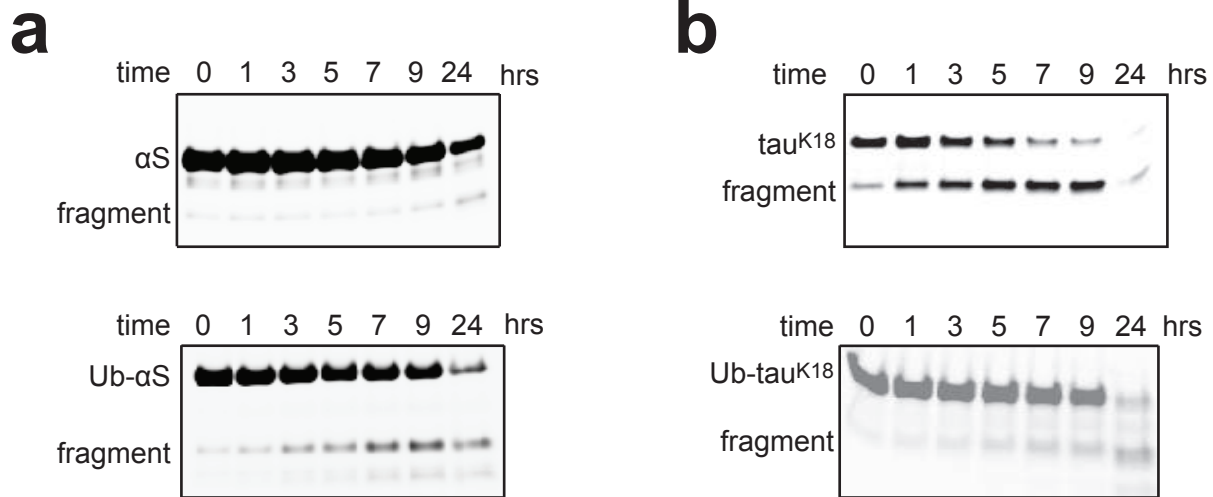
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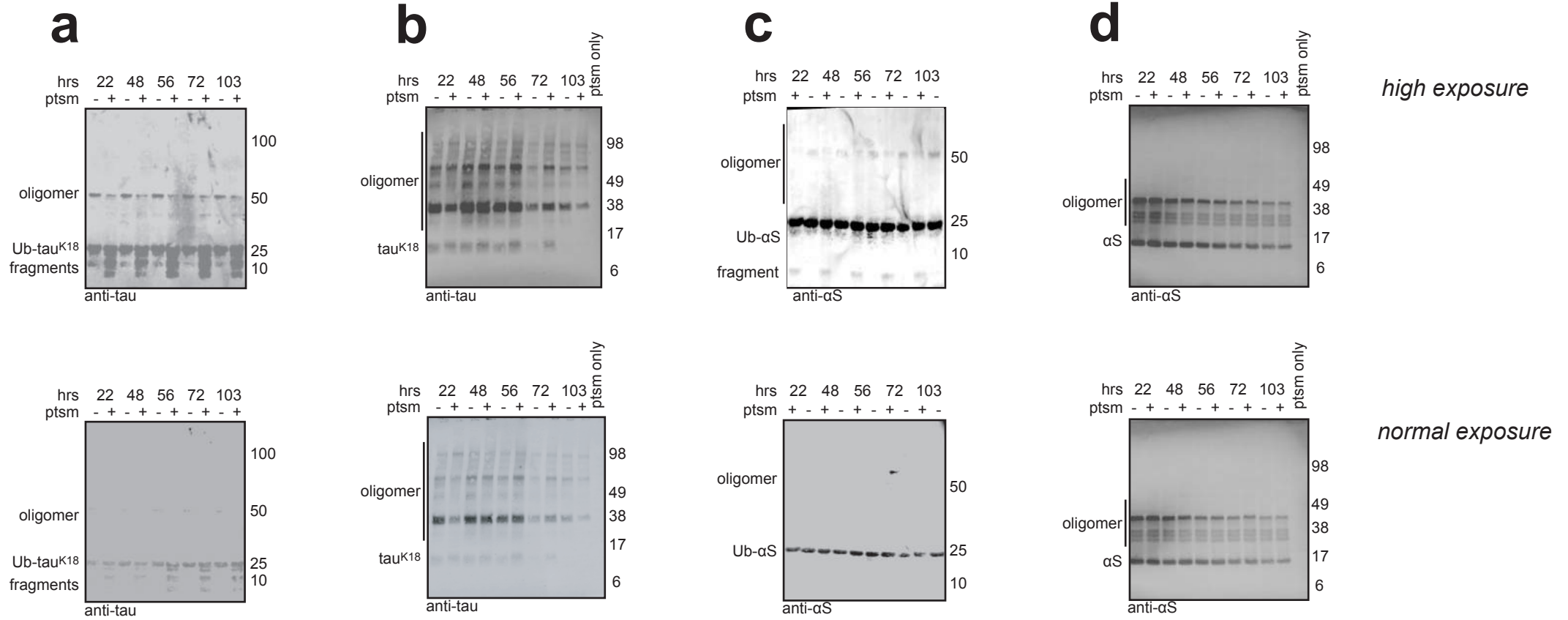
e



Supplementary Figure 4



Supplementary Figure 5



Supplementary Table 1

a Size dependency of Ub-tau^{K18} aggregates removed by the proteasome

Aggregates	4 hrs aggregation			24 hrs aggregation			48 hrs aggregation			72 hrs aggregation			96 hrs aggregation		
	Control	+Proteasome	degraded	Control	+Proteasome	degraded	Control	+Proteasome	degraded	Control	+Proteasome	degraded	Control	+Proteasome	degraded
Small	1023	57	94%	9284	519	94%	5234	292	94%	2624	1542	41%	272	94	65%
Medium	24	0	100%	456	36	92%	374	16	96%	224	116	48%	4	4	0%
Large	6	0	100%	62	6	90%	62	10	84%	32	18	44%	2	0	100%

b Size dependency of Ub- α S aggregates removed by the proteasome

Aggregates	4 hrs aggregation			24 hrs aggregation			48 hrs aggregation			72 hrs aggregation			96 hrs aggregation		
	Control	+Proteasome	degraded	Control	+Proteasome	degraded	Control	+Proteasome	degraded	Control	+Proteasome	degraded	Control	+Proteasome	degraded
Small	6230	1512	76%	2898	652	78%	2120	812	62%	1677	912	46%	3474	1765	49%
Medium	242	70	71%	30	8	73%	38	24	37%	54	34	37%	238	86	64%
Large	8	0	100%	2	0	100%	0	4	N/A	6	0	100%	14	24	N/A