

timeClip: pathway analysis for time course data
without replicates
Supplementary Information

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Additional tables

Additional Table S1 — False positives rate with different pathway dimensions n and regularly sampled time points t .

	$t = 5$	$t = 10$	$t = 15$	$t = 20$	$t = 25$	$t = 30$
$n = 5$	0.19	0.11	0.07	0.05	0.06	0.05
$n = 10$	0.19	0.09	0.08	0.08	0.08	0.06
$n = 15$	0.21	0.09	0.07	0.07	0.06	0.06
$n = 20$	0.21	0.09	0.07	0.07	0.06	0.06
$n = 25$	0.19	0.11	0.07	0.05	0.06	0.07
$n = 30$	0.20	0.10	0.07	0.07	0.08	0.09

Additional Table S2 — Power estimate in case of $n = 30$ and different time course length t and time dependent genes s . Regularly sampled time points.

	$s = 3$	$s = 6$	$s = 9$	$s = 15$	$s = 21$	$s = 30$
$t = 5$	0.27	0.26	0.26	0.26	0.30	0.26
$t = 10$	0.56	0.53	0.51	0.52	0.51	0.50
$t = 15$	0.75	0.72	0.74	0.73	0.72	0.72
$t = 20$	0.86	0.83	0.83	0.84	0.83	0.82
$t = 25$	0.90	0.90	0.91	0.87	0.90	0.85
$t = 30$	0.91	0.92	0.92	0.91	0.91	0.90