

## SUPPLEMENTARY MATERIALS

**Table S1.** Weekly mortality (%) of *N.cinerea* developed under different temperature treatments.

Temperature (°C)	Week 1	Week 2	Week 3	Week 4	Week 5
10	22	94	100	100	100
14	6	24	32	48	60
18	6	6	8	10	20
22	10	10	12	14	18
25	6	18	18	20	24
30	16	18	20	24	28
33	32	32	36	38	38
36	42	44	44	48	64

**Table S2.** Percentage mortality of *N.cinerea* developed under different temperature and oxygen treatments. Mortality was recorded for the first five weeks and at the end of experimentation (Week 12).

Temperature (°C)	Oxygen (%)	Week 1	Week 2	Week 3	Week 4	Week 5	Week 12
28.3	10	3.75	6.25	12.5	13.75	15	34.7
28.3	21	1.25	6.25	11.25	11.25	12.5	27.7
28.3	40	0	5	8.75	12.5	13.75	35.4
32.3	10	2.5	7.5	10	12.5	15	40.8
32.3	21	1.25	12.5	17.5	21.25	23.75	53.2
32.3	40	2.5	7.5	10	16.25	18.75	46.8
34.5	10	10	13.75	15	23.75	25	62.2
34.5	21	1.25	3.75	8.75	16.25	20	50
34.5	40	0	5	13.75	21.25	30	96.3



**Movie 1.** Running performance of *N. cinerea*, measured as the total time spent continuously running on a treadmill (LE8708TS, Harvard Apparatus, Holliston, Massachusetts, USA) under normoxia. Plastic cups lined with fluon were placed over individuals to prevent escape during measurements.