

Table S1: AdV-positivity rate by week in respiratory and fecal samples collected from inpatients with respiratory/gastroenteric infections in Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico in Milan from week 2021-01 to week 2022-17, and quantification of AdV-DNA (cg/L/day) in urban wastewater samples collected in a wastewater treatment plant in Milan from week 2021-01 to week 2022-17. (ND: not determined.).

ISO week	AdV positive rate (%) in respiratory samples	AdV positive rate (%) in gastrointestinal samples	AdV concentration (cg/L/day)
2021-01	3.4%	0.0%	ND
2021-02	5.3%	0.0%	6.95E+11
2021-03	2.3%	0.0%	1.38E+12
2021-04	0.0%	0.0%	2.63E+12
2021-05	5.9%	0.0%	1.62E+13
2021-06	0.0%	0.0%	6.38E+11
2021-07	2.2%	0.0%	7.62E+11
2021-08	6.5%	0.0%	2.16E+13
2021-09	2.6%	0.0%	2.31E+12
2021-10	0.0%	0.0%	1.07E+13
2021-11	0.0%	0.0%	1.85E+12
2021-12	3.7%	0.0%	1.09E+13
2021-13	0.0%	0.0%	2.03E+10
2021-14	3.2%	0.0%	1.01E+12
2021-15	14.3%	0.0%	2.09E+10
2021-16	3.2%	0.0%	ND
2021-17	6.1%	0.0%	ND
2021-18	6.3%	0.0%	ND
2021-19	3.4%	0.0%	ND
2021-20	5.3%	0.0%	ND
2021-21	10.5%	0.0%	ND
2021-22	9.4%	0.0%	ND
2021-23	9.1%	0.0%	6.09E+11
2021-24	3.4%	0.0%	5.84E+11
2021-25	3.2%	0.0%	2.33E+10
2021-26	20.7%	0.0%	2.33E+10
2021-27	21.1%	0.0%	2.33E+10
2021-28	13.8%	0.0%	2.33E+10
2021-29	0.0%	0.0%	2.33E+10
2021-30	3.2%	0.0%	2.33E+10
2021-31	0.0%	0.0%	2.33E+10

2021-32	0.0%	0.0%	ND
2021-33	6.7%	0.0%	1.92E+14
2021-34	7.7%	0.0%	6.13E+13
2021-35	0.0%	0.0%	ND
2021-36	2.8%	0.0%	ND
2021-37	0.0%	0.0%	ND
2021-38	2.7%	0.0%	ND
2021-39	0.0%	0.0%	ND
2021-40	7.5%	0.0%	3.99E+13
2021-41	2.2%	0.0%	1.50E+13
2021-42	1.9%	15.4%	3.23E+13
2021-43	1.5%	5.0%	1.72E+13
2021-44	16.4%	50.0%	1.05E+14
2021-45	8.1%	6.7%	4.12E+13
2021-46	3.4%	0.0%	2.41E+13
2021-47	2.6%	0.0%	3.55E+10
2021-48	2.3%	0.0%	2.92E+13
2021-49	22.7%	0.0%	5.94E+13
2021-50	6.5%	0.0%	6.18E+13
2021-51	6.0%	0.0%	5.97E+12
2021-52	8.3%	0.0%	2.03E+13
2022-01	10.5%	22.2%	1.93E+13
2022-02	0.0%	0.0%	1.61E+13
2022-03	2.0%	0.0%	ND
2022-04	7.5%	0.0%	4.84E+13
2022-05	3.0%	27.3%	1.32E+13
2022-06	0.0%	0.0%	7.76E+13
2022-07	4.3%	0.0%	1.77E+14
2022-08	14.7%	6.7%	1.20E+14
2022-09	7.5%	5.3%	9.79E+13
2022-10	12.9%	31.6%	7.99E+14
2022-11	4.3%	14.3%	6.56E+14
2022-12	7.1%	22.7%	3.29E+14
2022-13	9.0%	4.3%	6.39E+13
2022-14	8.1%	12.5%	1.36E+14
2022-15	7.0%	6.7%	8.87E+13
2022-16	5.7%	9.5%	1.79E+14