	Temperature (C)	4	10	17	23	28	32	35	37
IOWA_SWINE	regression equation (R^2)	y = -0.007x + 3.891 (0.802)	y = -0.010x + 3.958 (0.842)	y = -0.024x + 3.819 (0.864)	y = -0.0278x + 3.865 (0.803)	y = -0.155x + 3.846 (0.850)		y = -0.184x + 3.883 (0.931)	y = -0.315x + 4.027 (0.919)
	Rt (days)	153.846	98.039	42.017	35.842	6.443		5.438	3.180
	# timepoints	12	12	11	11	7		6	5
ILLINOIS_SWINE	regression equation (R^2)	y = -0.006x + 4.153 (0.719)	y = -0.006x + 3.865 (0.735)	y = -0.018x + 4.054 (0.897)	y = -0.033x + 4.126 (0.887)	y = -0.092x + 3.936 (0.873)		y = -0.220x + 4.087 (0.958)	y = -0.468x + 4.212 (0.959)
	Rt (days)	178.571	158.730	55.249	30.030	10.834		4.541	2.136
	# timepoints	14	12	10	11	9		7	4
MN02719_SWINE	regression equation (R^2)	y = -0.004x + 4.402 (0.977)	y = -0.007x + 4.224 (0.869)	y = -0.015x + 4.149 (0.713)	y = -0.021x + 4.168 (0.837)	y = -0.106x + 4.451 (0.917)		y = -0.178x + 4.297 (0.960)	y = -0.314x + 4.291 (0.994)
	Rt (days)	250.00	147.06	66.23	48.31	9.48		5.63	3.19
	# timepoints	12	11	8	9	7		7	6
MN02746_SWINE	regression equation (R^2)	y = -0.005x + 5.580 (0.655)	y = -0.016x + 5.575 (0.849)	y = -0.028x + 5.230 (0.711)	y = -0.034x + 4.932 (0.783)	y = -0.158x + 5.022 (0.844)		y = -0.378x + 4.883 (0.819)	y = -0.727x + 5.171 (0.841)
	Rt (days)	192.308	63.694	36.364	29.326	6.337		2.646	1.376
	# timepoints	13	13	9	9	8		7	5
MN02749_SWINE	regression equation (R^2)	y = -0.006x + 5.268 (0.767)	y = -0.008x + 5.112 (0.776)	y = -0.018x + 5.152 (0.816)	y = -0.027x + 5.147 (0.821)	y = -0.113x + 5.369 (0.975)	Not assessed at this temperature	y = -0.317x + 5.358 (0.989)	y = -0.655x + 5.038 (0.916)
	Rt (days)	172.414	125.000	54.348	36.765	8.873		3.158	1.526
	# timepoints	14	10	9	9	9		5	4
MN02751_SWINE	regression equation (R^2)	y = -0.005x + 5.551 (0.927)	y = -0.011x + 5.617 (0.757)	y = -0.021x + 5.409 (0.820)	y = -0.035x + 5.417 (0.915)	y = -0.193x + 5.316 (0.898)		y = -0.208x + 5.470 (0.918)	y = -0.386x + 5.550 (0.936)
	Rt (days)	200.000	88.496	47.393	28.490	5.179		4.817	2.590
	# timepoints	15	11	13	13	9		9	6
NC02744_SWINE	regression equation (R^2)	y = -0.006x + 4.510 (0.729)	y = -0.008x + 4.328 (0.906)	y = -0.018x + 4.414 (0.907)	y = -0.027x + 4.283 (0.931)	y = -0.101x + 4.365 (0.946)		y = -0.229x + 4.522 (0.981)	y = -0.294x + 4.036 (0.873)
	Rt (days)	178.571	123.457	55.556	37.594	9.911		4.359	3.407
	# timepoints	12	14	14	13	10		7	6
Utah02861_SWINE	regression equation (R^2)	y = -0.018x + 3.604 (0.528)	y = -0.035x + 3.496 (0.403)	y = -0.104x + 4.173 (0.693)	y = -0.086x + 3.817 (0.507)	y = -0.776x + 4.408 (0.636)		y = -3.230x + 5 (0.997)	y = -3.230x + 5 (0.997)
	Rt (days)	56.180	28.986	9.634	11.628	1.289		0.310	0.310
	# timepoints	17	12	10	13	4		3	3
NJ/1976_Human	regression equation (R^2)	y = -0.005x + 4.687 (0.605)	y = -0.013x + 5.129 (0.722)	y = -0.021x + 4.833 (0.909)	y = -0.053x + 5.066 (0.805)	y = -0.114x + 5.136 (0.861)	y = -0.139x + 5.051 (0.937)		y = -0.310x + 4.460 (0.916)
	Rt (days)	222.222	80.000	47.847	19.011	8.780	7.215		3.223
	# timepoints	17	19	20	12	11	11		10
Texas2009_Human	regression equation (R^2)	y = -0.007x + 6.108 (0.829)	y = -0.018x + 5.991 (0.739)	y = -0.026x + 6.613 (0.878)	y = -0.056x + 5.877 (0.669)	y = -0.102x + 5.825 (0.892)	y = -0.144x + 5.910 (0.927)		y = -0.299x + 6.130 (0.948)
	Rt (days)	135.135	55.866	38.023	17.794	9.814	6.959		3.342
	# timepoints	21	19	18	10	12	13		11
Brisbane10_Human	regression equation (R^2)	y = -0.008x + 5.733 (0.940)	y = -0.010x + 5.503 (0.692)	y = -0.013x + 5.649 (0.572)	y = -0.049x + 5.577 (0.798)	y = -0.091x + 5.603 (0.863)	y = -0.116x + 5.776 (0.977)		y = -0.315x + 5.065 (0.849)
	Rt (days)	125.000	98.039	76.923	20.243	10.989	8.591		3.173
	# timepoints	12	16	17	11	12	8		9
Brisbane59_Human	regression equation (R^2)	y = -0.033x + 3.861 (0.518)	y = -0.042x + 3.590 (0.642)	y = -0.049x + 3.620 (0.669)	y = -0.094x + 3.583 (0.703)	y = -0.136x + 3.566 (0.653)	y = -0.158x + 3.731 (0.847)		y = -0.248x + 3.150 (0.694)
	Rt (days)	30.030	23.697	20.492	10.695	7.358	6.329		4.027
	# timepoints	6	8	10	10		9		6
MX/INDRE_Human	regression equation (R^2)	y = -0.029x + 2.967 (0.482)	y = -0.034x + 2.958 (0.693)	y = -0.0467x + 2.797 (0.711)	y = -0.106x + 3.625 (0.653)	y = -0.179x + 3.955 (0.762)	y = -0.260x + 4.143 (0.750)		y = -1.095x + 3.960 (0.971)
	Rt (days)	34.602	29.412	21.413	9.416	5.593	3.849		0.913
	# timepoints	7	7	8	9	7	6		3
CA04/2009_Human	regression equation (R^2)	y = -0.010x + 5.265 (0.406)	y = -0.021x + 5.322 (0.710)	y = -0.038x + 5.662 (0.647)	y = -0.055x + 5.559 (0.756)	y = -0.114x + 5.272 (0.852)	y = -0.352x + 5.166 (0.947)	y = -0.214x + 5.566 (0.937)	y = -0.366x + 5.646 (0.959)
	Rt (days)	101.010	47.619	26.110	18.248	8.787	2.838	4.682	2.734
	# timepoints	18	20	12	12	10	5	7	7
LA/GWT_Avian	regression equation (R^2)	y = -0.011x + 4.364 (0.751)	y = -0.018x + 4.179 (0.829)	y = -0.024x + 4.456 (0.739)	y = -0.136x + 4.297 (0.983)	y = -0.329x + 4.125 (0.924)	y = -0.650x + 4.190 (0.927)		y = -1.840x + 4.400 (0.880)
	Rt (days)	87.719	57.143	42.553	7.358	3.038	1.538	Not assessed at this temperature	0.543
	# timepoints	10	10	10	5	5	4		3

Supplementary Table 1. Regression equations (R^2 value), Rt value (days) and the number of timepoints collected for viruses within each temperature treatment

	pH	5.4	5.8	6.2	6.6	7	7.2	7.4	7.8	8.2	8.6	9
IOWA_SWINE	regression equation (R^2)	y = -0.226x + 3.728 (0.456)	y = -0.176x + 3.480 (0.690)	y = -0.114x + 3.606 (0.679)	y = -0.024x + 4.178 (0.924)	y = -0.076x + 3.477 (0.860)	y = -0.028x + 4.292 (0.883)	y = -0.048x + 3.537 (0.671)	y = -0.095x + 4.088 (0.969)	y = -0.108x + 4.309 (0.919)	y = -0.059x + 3.644 (0.836)	y = -0.075x + 3.548 (0.717)
	Rt (days)	4.421	5.679	8.795	41.841	13.123	35.211	21.053	10.571	9.285	16.835	13.316
	# timepoints	5	5	7	16	5	12	9	11	7	11	9
ILLINOIS_SWINE	regression equation (R^2)	y = -0.392x + 4.318 (0.913)	y = -0.317x + 4.232 (0.955)	y = -0.037x + 4.118 (0.921)	y = -0.022x + 4.428 (0.915)	y = -0.019x + 4.012 (0.827)	y = -0.0140x + 4.271 (0.846)	y = -0.018x + 4.148 (0.813)	y = -0.021x + 4.223 (0.813)	y = -0.029x + 4.238 (0.835)	y = -0.060x + 4.207 (0.948)	y = -0.102x + 4.162 (0.900)
	Rt (days)	2.554	3.158	27.322	45.455	52.632	71.942	54.348	48.309	34.364	16.611	9.843
	# timepoints	6	6	14	16	19	17	19	18	17	9	9
MN02719_SWINE	regression equation (R^2)	y = -0.183x + 3.284 (0.556)	y = -0.129x + 3.855 (0.621)	y = -0.024x + 4.349 (0.853)	y = -0.020x + 4.474 (0.893)	y = -0.035x + 3.777 (0.789)	y = -0.021x + 4.395 (0.735)	y = -0.025x + 3.980 (0.852)	y = -0.025x + 4.427 (0.723)	y = -0.039x + 4.598 (0.950)	y = -0.027x + 4.252 (0.787)	y = -0.037x + 4.088 (0.715)
	Rt (days)	5.456	7.764	42.373	50.251	28.490	47.170	39.683	40.323	25.707	36.496	27.027
	# timepoints	6	7	15	19	15	16	17	16	13	16	14
MN02746_SWINE	regression equation (R^2)	y = -0.446x + 5.821 (0.780)	y = -0.415x + 5.991 (0.774)	y = -0.120x + 5.232 (0.837)	y = -0.031x + 5.775 (0.919)	y = -0.062x + 5.994 (0.930)	y = -0.019x + 5.818 (0.840)	y = -0.049x + 5.383 (0.793)	y = -0.059x + 5.207 (0.921)	y = -0.083x + 4.649 (0.706)	y = -0.065x + 6.067 (0.936)	y = -0.067x + 5.647 (0.973)
	Rt (days)	2.244	2.410	8.333	32.468	16.207	53.191	20.284	16.920	11.947	15.408	14.837
	# timepoints	5	5	8	20	15	19	15	12	9	15	14
MN02749_SWINE	regression equation (R^2)	y = -0.472x + 4.910 (0.821)	y = -1.264x + 4.313 (0.930)	y = -0.482x + 4.339 (0.623)	y = -0.028x + 5.424 (0.943)	y = -0.036x + 4.352 (0.794)	y = -0.016x + 5.369 (0.885)	y = -0.043x + 4.581 (0.864)	y = -0.045x + 4.601 (0.732)	y = -0.037x + 4.548 (0.904)	y = -0.032x + 4.903 (0.745)	y = -0.039x + 4.819 (0.773)
	Rt (days)	2.117	0.791	2.075	36.101	27.624	61.728	23.256	22.124	26.954	31.746	25.575
	# timepoints	12	3	5	18	16	18	13	14	17	17	16
MN02751_SWINE	regression equation (R^2)	y = -0.627x + 4.805 (0.951)	y = -0.645x + 4.506 (0.841)	y = -0.097x + 3.978 (0.739)	y = -0.074x + 4.606 (0.640)	y = -0.047x + 5.011 (0.819)	y = -0.019x + 5.655 (0.702)	y = -0.035x + 4.855 (0.773)	y = -0.054x + 4.360 (0.714)	y = -0.585x + 5.272 (0.937)	y = -0.030x + 4.691 (0.809)	y = -0.041x + 4.606 (0.853)
	Rt (days)	1.596	1.551	10.288	13.550	21.322	53.763	28.986	18.416	1.708	33.784	24.631
	# timepoints	4	7	11	8	15	15	17	15	4	14	16
NC02744_SWINE	regression equation (R^2)	y = -0.527x + 4.076 (0.872)	y = -0.958x + 3.685 (0.964)	y = -0.417x + 3.439 (0.803)	y = -0.021x + 4.013 (0.868)	y = -0.113x + 3.795 (0.992)	y = -0.022x + 3.721 (0.516)	y = -0.118x + 3.895 (0.931)	y = -0.114x + 3.699 (0.885)	y = -0.185x + 3.881 (0.821)	y = -0.051x + 3.912 (0.848)	y = -0.076x + 3.806 (0.828)
	Rt (days)	1.897	1.044	2.399	48.780	8.889	45.455	8.467	8.787	5.414	19.646	13.089
	# timepoints	4	3	7	18	7	16	7	7	6	12	12
Utah02861_SWINE	regression equation (R^2)	y = -0.682x + 3.666 (0.568)	y = -1.735x + 3.505 (0.989)	y = -1.710x + 3.480 (0.999)	y = -2.125x + 3.895 (0.973)	y = -0.228x + 4.510 (0.987)	y = -0.160x + 3.471 (0.532)	y = -0.219x + 4.400 (0.998)	y = -0.153x + 4.220 (0.989)	y = -1.701x + 3.480 (0.994)	y = -0.268x + 4.047 (0.836)	y = -0.464x + 4.579 (0.988)
	Rt (days)	1.466	0.576	0.585	0.471	4.380	6.270	4.562	6.545	0.585	3.729	2.154
	# timepoints	3	2	2	2	3	8	2	4	4	6	5
NJ/1976_Human	regression equation (R^2)	y = -0.685x + 4.393 (0.956)	y = -0.660x + 4.370 (0.911)	y = -0.218x + 3.815 (0.624)	y = -0.042x + 4.633 (0.943)	y = -0.055x + 4.370 (0.708)	y = -0.021x + 4.833 (0.909)	y = -0.041x + 4.243 (0.750)	y = -0.035x + 4.331 (0.727)	y = -0.182x + 3.851 (0.771)	y = -0.087x + 4.998 (0.937)	y = -0.084x + 4.692 (0.871)
	Rt (days)	1.460	1.515	4.583	24.038	18.282	47.847	24.570	28.736	5.501	11.521	11.976
	# timepoints	7	7	9	13	12	20	15	16	4	10	11
Texas2009_Human	regression equation (R^2)	y = -0.814x + 5.848 (0.897)	y = -0.766x + 6.126 (0.890)	y = -0.060x + 5.674 (0.879)	y = -0.031x + 6.011 (0.925)	y = -0.043x + 5.663 (0.853)	y = -0.026x + 6.613 (0.878)	y = -0.039x + 5.775 (0.912)	y = -0.038x + 5.941 (0.920)	y = -0.120x + 5.752 (0.922)	y = -0.063x + 5.955 (0.912)	y = -0.087x + 5.843 (0.906)
	Rt (days)	1.229	1.306	16.584	31.949	23.419	38.023	25.510	26.178	8.313	15.823	11.547
	# timepoints	5	6	17	18	17	18	18	19	8	16	17
Brisbane10_Human	regression equation (R^2)	y = -0.568x + 4.653 (0.714)	y = -0.755x + 5.107 (0.865)	y = -0.115x + 4.515 (0.786)	y = -0.031x + 4.597 (0.870)	y = -0.024x + 5.753 (0.757)	y = -0.013x + 5.649 (0.572)	y = -0.014x + 5.617 (0.745)	y = -0.030x + 5.572 (0.923)	y = -0.060x + 4.862 (0.923)	y = -0.032x + 4.422 (0.511)	y = -0.049x + 4.262 (0.796)
	Rt (days)	1.761	1.324	8.696	32.787	40.984	76.923	69.930	33.003	16.584	31.447	20.367
	# timepoints	6	4	10	18	18	17	18	19	10	15	15
Brisbane59_Human	regression equation (R^2)	y = -0.375x + 4.057 (0.583)	y = -0.411x + 4.217 (0.810)	y = -0.127x + 3.385 (0.665)	y = -0.042x + 3.346 (0.605)	y = -0.085x + 4.422 (0.941)	y = -0.048x + 4.056 (0.918)	y = -0.086x + 3.206 (0.826)	y = -0.078x + 4.374 (0.922)	y = -0.237x + 3.830 (0.855)	y = -0.108x + 3.423 (0.803)	y = -0.108x + 3.172 (0.540)
	Rt (days)	2.667	2.434	7.893	23.753	11.737	21.008	11.574	12.821	4.228	9.259	9.268
	# timepoints	4	5	9	11	5	9	4	6	5	8	8
MX/INDRE_Human	regression equation (R^2)	y = -0.405x + 5.593 (0.861)	y = -0.341x + 5.422 (0.825)	y = -0.191x + 3.429 (0.495)	y = -0.092x + 2.943 (0.572)	y = -0.054x + 4.402 (0.910)	y = -0.069x + 3.081 (0.581)	y = -0.059x + 4.468 (0.860)	y = -0.088x + 4.623 (0.844)	y = -0.474x + 4.145 (0.746)	y = -0.143x + 3.960 (0.795)	y = -0.239x + 3.893 (0.743)
	Rt (days)	2.470	2.934	5.236	10.893	18.587	14.430	16.978	11.429	2.108	6.978	4.184
	# timepoints	5	5	7	7	11	8	11	9	5	9	6
CA04/2009_Human	regression equation (R^2)	y = -0.671x + 3.802 (0.483)	y = -0.275x + 4.379 (0.693)	y = -0.052x + 4.462 (0.567)	y = -0.021x + 4.258 (0.484)	y = -0.027x + 5.445 (0.822)	y = -0.016x + 4.745 (0.418)	y = -0.021x + 5.214 (0.814)	y = -0.030x + 4.628 (0.633)	y = -0.035x + 5.055 (0.872)	y = -0.049x + 4.663 (0.813)	y = -0.057x + 4.983 (0.878)
	Rt (days)	1.490	3.640	19.231	48.544	37.313	64.516	48.077	33.333	28.818	20.534	17.575
	# timepoints	5	6	10	17	17	6	14	14	14	11	13
LA/GWT_Avian	regression equation (R^2)	y = -2.345x + 4.115 (0.975)	y = -0.065x + 3.536 (0.550)	y = -0.033x + 4.927 (0.829)	y = -0.023x + 5.121 (0.689)	y = -0.023x + 4.540 (0.862)	y = -0.024x + 4.456 (0.739)	y = -0.021x + 4.138 (0.730)	y = -0.026x + 4.166 (0.716)	y = -0.035x + 4.004 (0.704)	y = -0.076x + 4.329 (0.935)	y = -0.060x + 4.253 (0.745)
	Rt (days)	0.426	15.456	30.769	42.194	43.860	42.553	46.729	38.760	28.490	13.210	16.750
	# timepoints	4	14	17	17	18	10	18	18	11	6	8

Supplementary Table 2. Regression equations (R^2 value), Rt value (days) and the number of timepoints collected for viruses within each pH treatment

	Salinity (ppt)	0ppt	5ppt	10ppt	15ppt	20ppt	25ppt	30ppt
IOWA_SWINE	regression equation (R^2)	y = -0.028x + 4.292 (0.883)	y = -0.070x + 4.236 (0.929)	y = -0.143x + 4.036 (0.933)	y = -0.150x + 3.938 (0.968)	y = -0.155x + 3.411 (0.816)	y = -0.160x + 3.716 (0.882)	y = -0.170x + 3.385 (0.667)
	Rt (days)	35.211	14.388	6.978	6.676	6.472	6.227	5.869
	# timepoints	12	10	7	7	6	9	11
ILLINOIS_SWINE	regression equation (R^2)	y = -0.0140x + 4.271 (0.846)	y = -0.037x + 4.395 (0.893)	y = -0.065x + 4.206 (0.890)	y = -0.033x + 4.164 (0.838)	y = -0.042x + 3.896 (0.873)	y = -0.0420x + 3.883 (0.629)	y = -0.055x + 3.750 (0.870)
	Rt (days)	71.942	26.738	15.361	25.445	23.753	23.866	18.083
	# timepoints	17	13	10	13	13	12	9
MN02719_SWINE	regression equation (R^2)	y = -0.021x + 4.395 (0.735)	y = -0.037x + 4.602 (0.906)	y = -0.035x + 4.423 (0.910)	y = -0.031x + 4.410 (0.883)	y = -0.040x + 4.139 (0.856)	y = -0.097x + 4.647 (0.909)	y = -0.100x + 4.455 (0.888)
	Rt (days)	47.170	26.810	28.409	32.680	24.752	10.341	10.050
	# timepoints	16	15	17	17	15	12	13
MN02746_SWINE	regression equation (R^2)	y = -0.019x + 5.818 (0.840)	y = -0.046x + 5.820 (0.953)	y = -0.096x + 5.752 (0.911)	y = -0.062x + 5.687 (0.924)	y = -0.070x + 5.533 (0.915)	y = -0.077x + 5.526 (0.888)	y = -0.112x + 5.605 (0.865)
	Rt (days)	53.191	21.692	10.406	16.077	14.388	13.055	8.945
	# timepoints	19	17	12	13	14	14	15
MN02749_SWINE	regression equation (R^2)	y = -0.016x + 5.369 (0.885)	y = -0.061x + 4.980 (0.954)	y = -0.067x + 5.009 (0.948)	y = -0.069x + 4.901 (0.777)	y = -0.099x + 4.763 (0.860)	y = -0.099x + 4.887 (0.887)	y = -0.131x + 4.964 (0.838)
	Rt (days)	61.728	16.529	14.859	14.556	10.142	10.060	7.634
	# timepoints	18	12	13	16	12	12	12
MN02751_SWINE	regression equation (R^2)	y = -0.019x + 5.655 (0.702)	y = -0.040x + 5.069 (0.884)	y = -0.061x + 5.149 (0.928)	y = -0.065x + 5.004 (0.916)	y = -0.039x + 4.277 (0.807)	y = -0.103x + 4.790 (0.896)	y = -0.118x + 4.873 (0.856)
	Rt (days)	53.763	24.814	16.313	15.480	25.707	9.709	8.496
	# timepoints	15	13	13	11	14	13	12
NC02744_SWINE	regression equation (R^2)	y = -0.022x + 3.721 (0.516)	y = -0.059x + 3.976 (0.908)	y = -0.078x + 3.817 (0.862)	y = -0.034x + 4.230 (0.682)	y = -0.050x + 4.211 (0.798)	y = -0.088x + 3.797 (0.889)	y = -0.078x + 4.134 (0.781)
	Rt (days)	45.455	16.892	12.804	29.155	19.920	11.364	12.903
	# timepoints	16	10	11	14	16	12	14
Utah02861_SWINE	regression equation (R^2)	y = -0.160x + 3.471 (0.532)	y = -0.088x + 4.913 (0.930)	y = -0.104x + 4.812 (0.948)	y = -0.084x + 3.539 (0.795)	y = -0.072x + 3.738 (0.886)	y = -0.090x + 3.881 (0.700)	y = -0.133x + 4.060 (0.898)
	Rt (days)	6.270	11.325	9.653	11.976	13.947	11.173	7.547
	# timepoints	8	9	10	11	11	10	10
NJ/1976_Human	regression equation (R^2)	y = -0.021x + 4.833 (0.909)	y = -0.066x + 5.331 (0.948)	y = -0.089x + 5.0623 (0.918)	y = -0.091x + 4.782 (0.851)	y = -0.092x + 4.554 (0.806)	y = -0.067x + 4.449 (0.684)	y = -0.084x + 4.141 (0.689)
	Rt (days)	47.847	15.221	11.299	10.941	10.858	14.925	11.848
	# timepoints	20	12	11	12	14	13	13
Texas2009_Human	regression equation (R^2)	y = -0.026x + 6.6130 (0.878)	y = -0.051x + 5.187 (0.850)	y = -0.055x + 5.452 (0.894)	y = -0.054x + 4.689 (0.704)	y = -0.061x + 4.311 (0.669)	y = -0.148x + 5.041 (0.836)	y = -0.154x + 5.059 (0.835)
	Rt (days)	38.023	19.685	18.349	18.416	16.447	6.748	6.506
	# timepoints	18	16	16	14	17	11	11
Brisbane10_Human	regression equation (R^2)	y = -0.013x + 5.649 (0.572)	y = -0.081x + 5.994 (0.957)	y = -0.188x + 5.287 (0.784)	y = -0.052x + 4.804 (0.744)	y = -0.115x + 4.696 (0.883)	y = -0.251x + 5.419 (0.931)	y = -0.241x + 5.312 (0.813)
	Rt (days)	76.923	12.346	5.333	19.417	8.726	3.981	4.143
	# timepoints	17	9	9	14	14	8	8
Brisbane59_Human	regression equation (R^2)	y = -0.048x + 4.056 (0.918)	y = -0.048x + 4.264 (0.915)	y = -0.175x + 3.546 (0.762)	y = -0.127x + 3.476 (0.657)	y = -0.105x + 3.154 (0.558)	y = -0.138x + 3.235 (0.812)	y = -0.135x + 3.540 (0.694)
	Rt (days)	21.008	20.877	5.701	7.868	9.569	7.231	7.386
	# timepoints	9	11	6	10	10	9	10
MX/INDRE_Human	regression equation (R^2)	y = -0.069x + 3.081 (0.581)	y = -0.086x + 3.894 (0.809)	y = -0.108x + 3.678 (0.641)	y = -0.098x + 3.650 (0.752)	y = -0.226x + 4.674 (0.853)	y = -0.112x + 3.594 (0.710)	y = -0.124x + 3.771 (0.741)
	Rt (days)	14.430	11.614	9.302	10.256	4.433	8.953	8.039
	# timepoints	8	7	11	12	7	10	9
CA04/2009_Human	regression equation (R^2)	y = -0.016x + 4.745 (0.418)	y = -0.061x + 4.315 (0.767)	y = -0.090x + 4.218 (0.846)	y = -0.122x + 4.560 (0.901)	y = -0.173x + 4.550 (0.948)	y = -0.201x + 4.941 (0.940)	y = -0.194x + 4.214 (0.850)
	Rt (days)	64.516	16.474	11.099	8.210	5.767	4.975	5.152
	# timepoints	6	7	8	6	4	4	4
LA/GWT_Avian	regression equation (R^2)	y = -0.016x + 4.493 (0.536)	y = -0.073x + 4.351 (0.859)	y = -0.084x + 4.302 (0.795)	y = -0.074x + 4.012 (0.755)	y = -0.096x + 4.020 (0.733)	y = -0.148x + 4.489 (0.926)	y = -0.188x + 4.798 (0.828)
	Rt (days)	64.103	13.624	11.976	13.532	10.471	6.775	5.330
	# timepoints	10	6	7	7	6	4	4

Supplementary Table 3. Regression equations (R^2 value), Rt value (days) and the number of timepoints collected for viruses within each salinity treatment