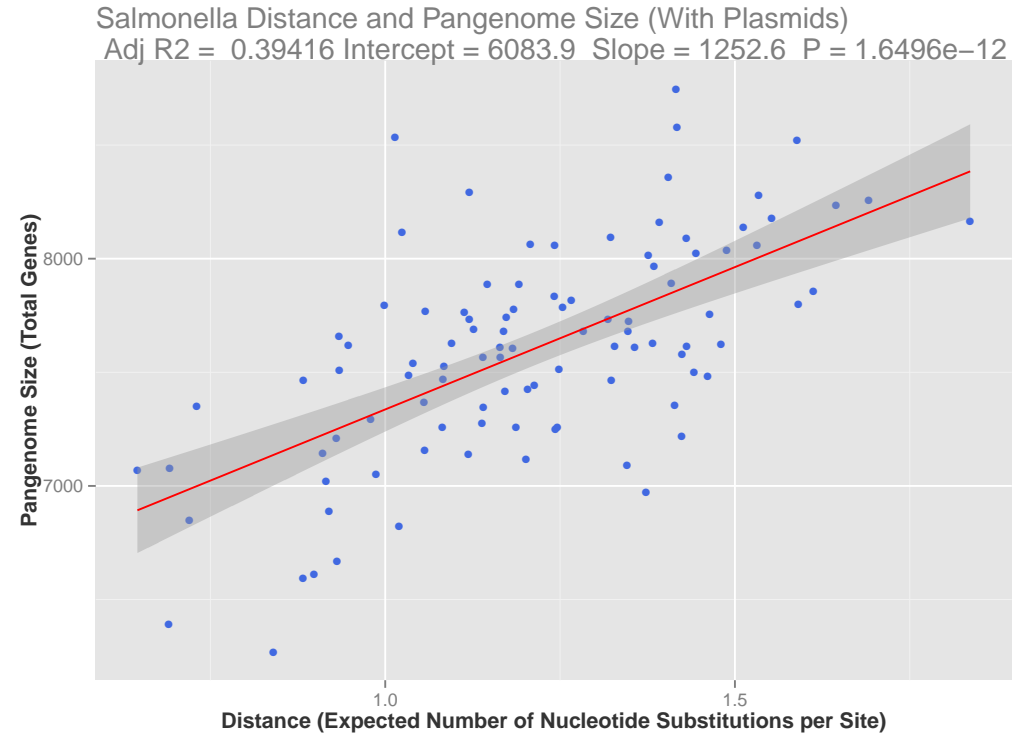


Salmonella (with plasmids)



Residuals:

Min	1Q	Median	3Q	Max
-867.44	-248.82	34.71	208.10	1180.96

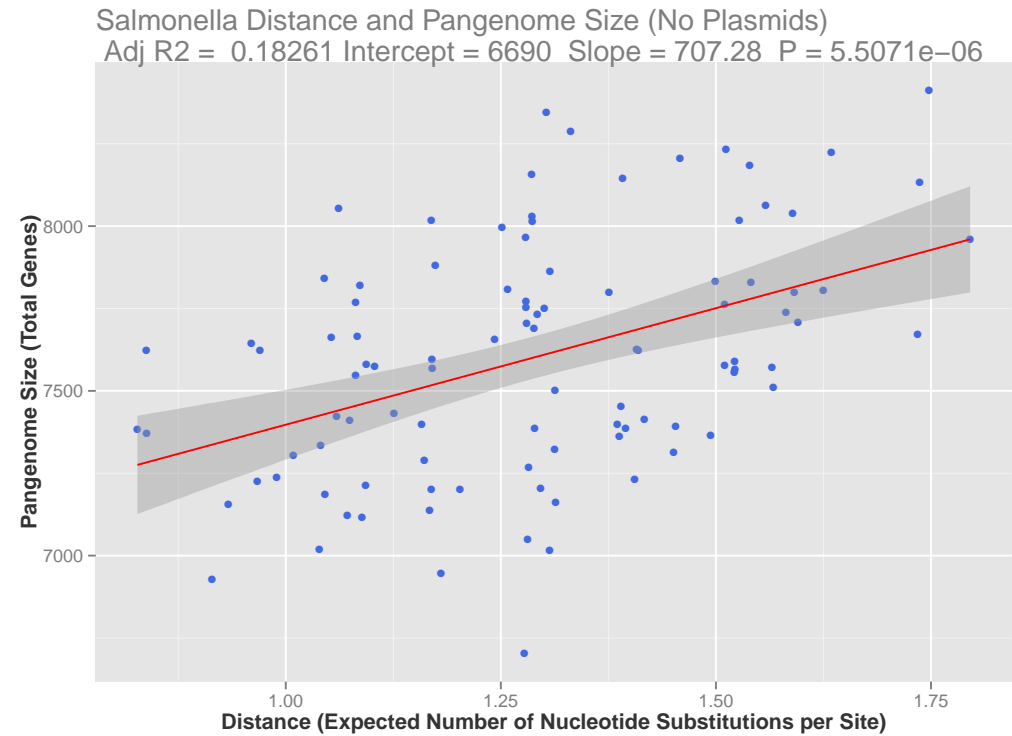
Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
Intercept)	6083.9	190.8	31.887	< 2e-16 ***
distance	1252.6	154.9	8.088	1.65e-12 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 369.3 on 98 degrees of freedom
Multiple R-squared: 0.4003, Adjusted R-squared: 0.3942
F-statistic: 65.41 on 1 and 98 DF, p-value: 1.65e-12

Salmonella



Residuals:

	Min	1Q	Median	3Q	Max
	-890.36	-247.15	-16.13	232.67	733.39

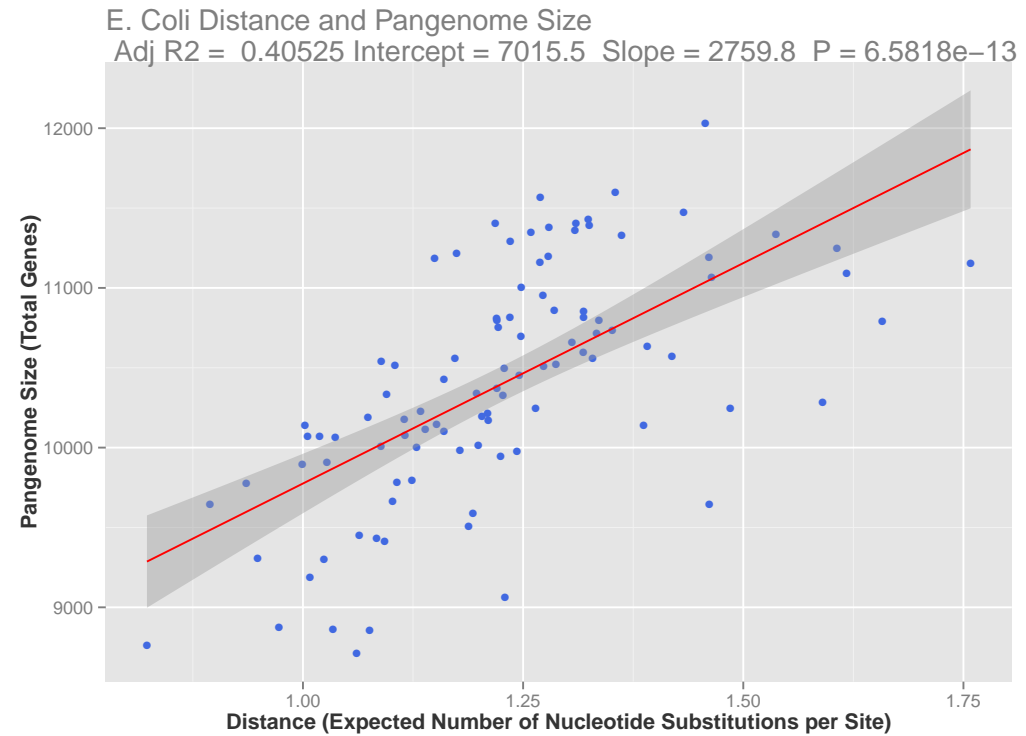
Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	6690.0	192.3	34.789	< 2e-16 ***
distance	707.3	147.1	4.808	5.51e-06 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 323.1 on 98 degrees of freedom
Multiple R-squared: 0.1909, Adjusted R-squared: 0.1826
F-statistic: 23.12 on 1 and 98 DF, p-value: 5.507e-06

E. coli



Residuals:

Min	1Q	Median	3Q	Max
-1402.98	-320.12	16.56	360.71	1050.86

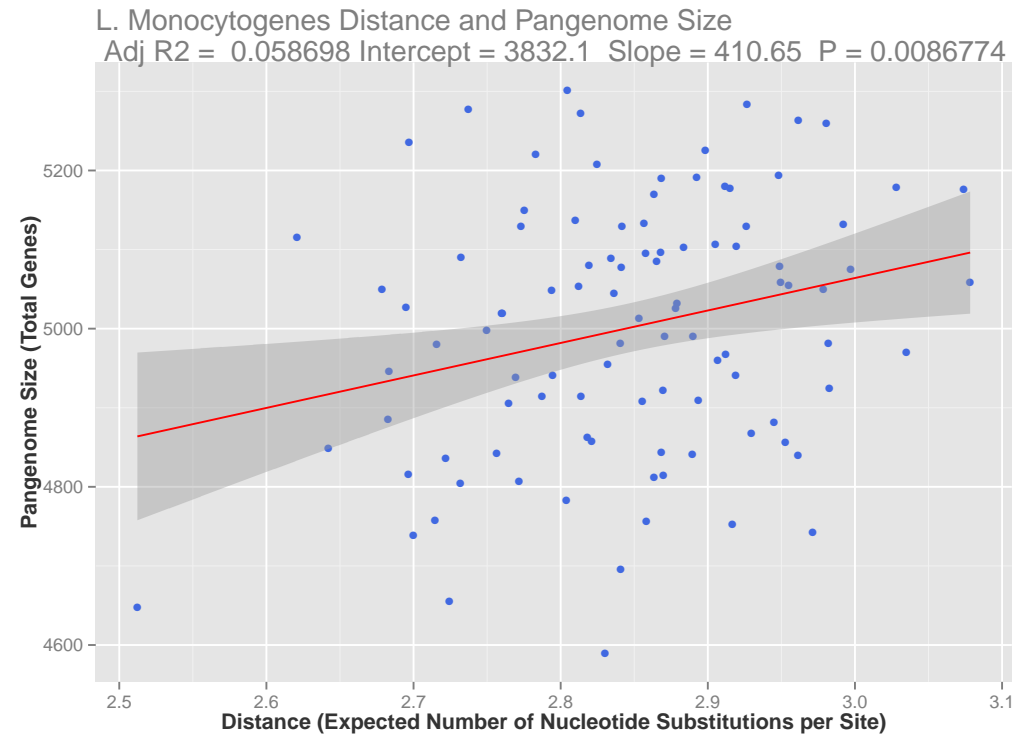
Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	7015.5	412.7	16.997	< 2e-16 ***
distance	2759.8	333.6	8.274	6.58e-13 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 559.6 on 98 degrees of freedom
Multiple R-squared: 0.4113, Adjusted R-squared: 0.4053
F-statistic: 68.46 on 1 and 98 DF, p-value: 6.582e-13

L. monocytogenes



Residuals :

Min	1Q	Median	3Q	Max
-405.30	-115.82	12.03	98.10	320.87

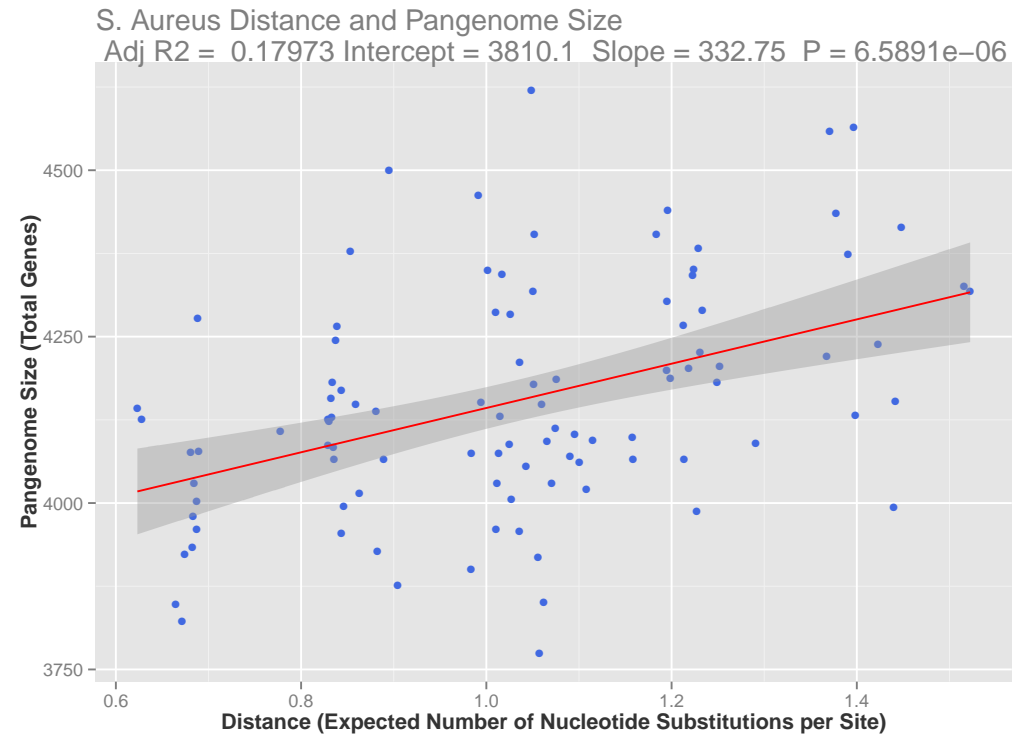
Coefficients :

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3832.1	436.6	8.777	5.42e-14 ***
distance	410.7	153.3	2.678	0.00868 **

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 156 on 98 degrees of freedom
Multiple R-squared: 0.06821, Adjusted R-squared: 0.0587
F-statistic: 7.173 on 1 and 98 DF, p-value: 0.008677

S. aureus



Residuals :

Min	1Q	Median	3Q	Max
-387.80	-102.91	-10.11	96.52	461.03

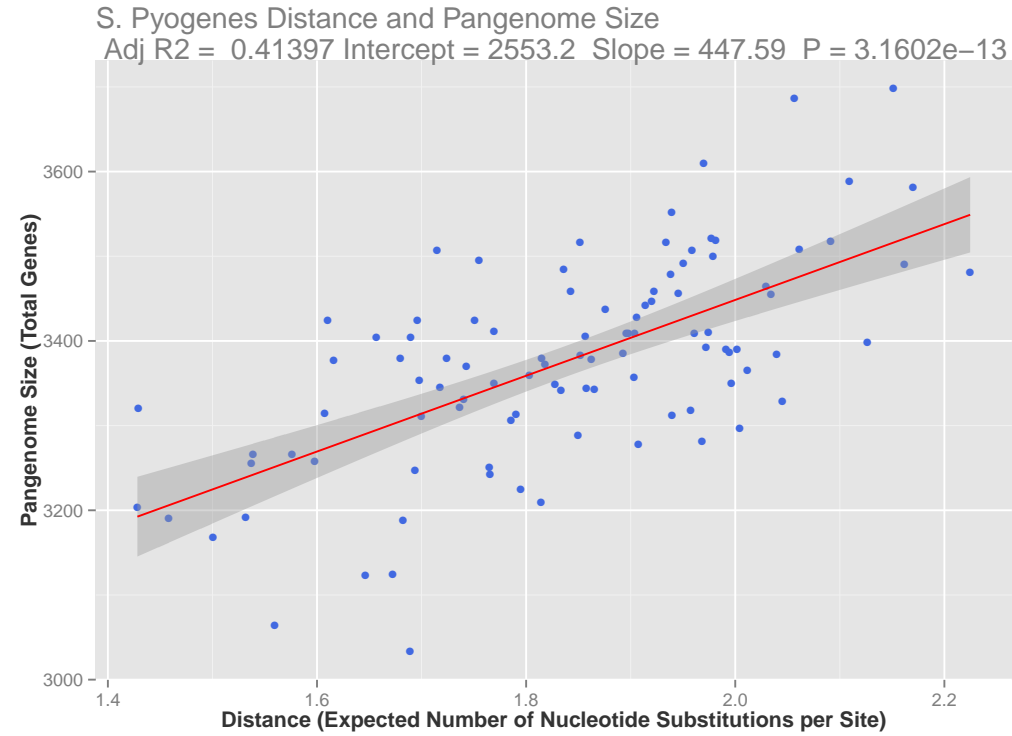
Coefficients :

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3810.05	73.66	51.723	< 2e-16 ***
distance	332.75	69.85	4.764	6.59e-06 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 156.5 on 98 degrees of freedom
Multiple R-squared: 0.188, Adjusted R-squared: 0.1797
F-statistic: 22.69 on 1 and 98 DF, p-value: 6.589e-06

S.pyogenes



Residuals :

Min	1Q	Median	3Q	Max
-276.200	-55.087	4.264	58.879	213.287

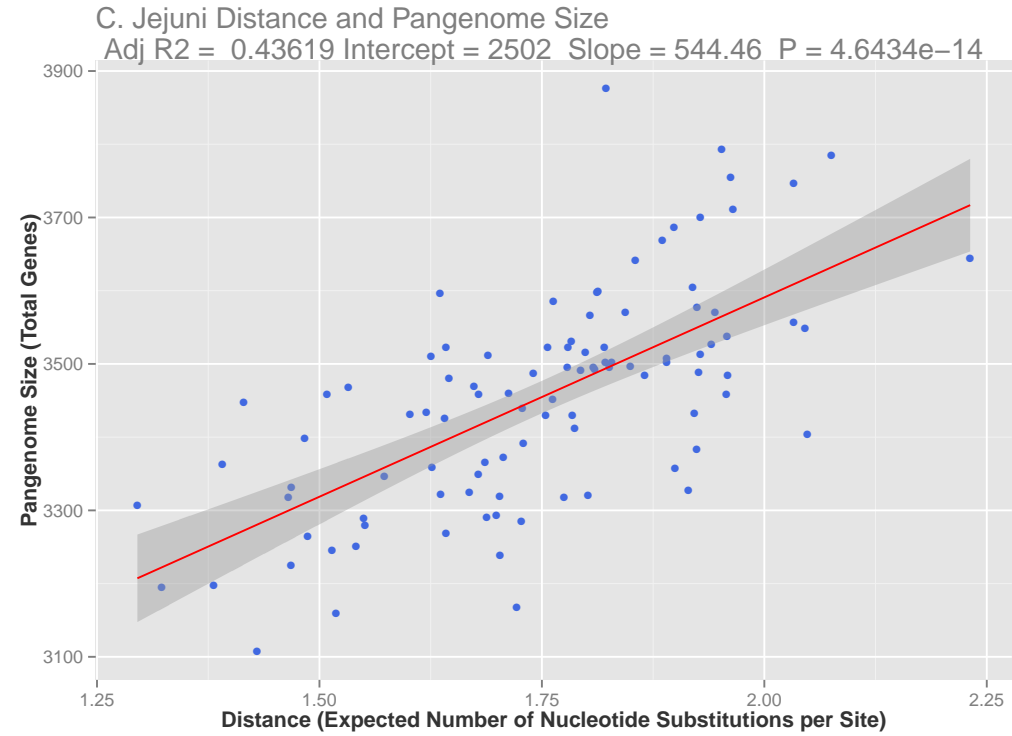
Coefficients :

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2553.23	98.21	25.998	< 2e-16 ***
distance	447.59	53.14	8.422	3.16e-13 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 92.02 on 98 degrees of freedom
Multiple R-squared: 0.4199, Adjusted R-squared: 0.414
F-statistic: 70.93 on 1 and 98 DF, p-value: 3.16e-13

C. jejuni



Residuals:

Min	1Q	Median	3Q	Max
-271.35	-66.78	-2.52	68.55	382.06

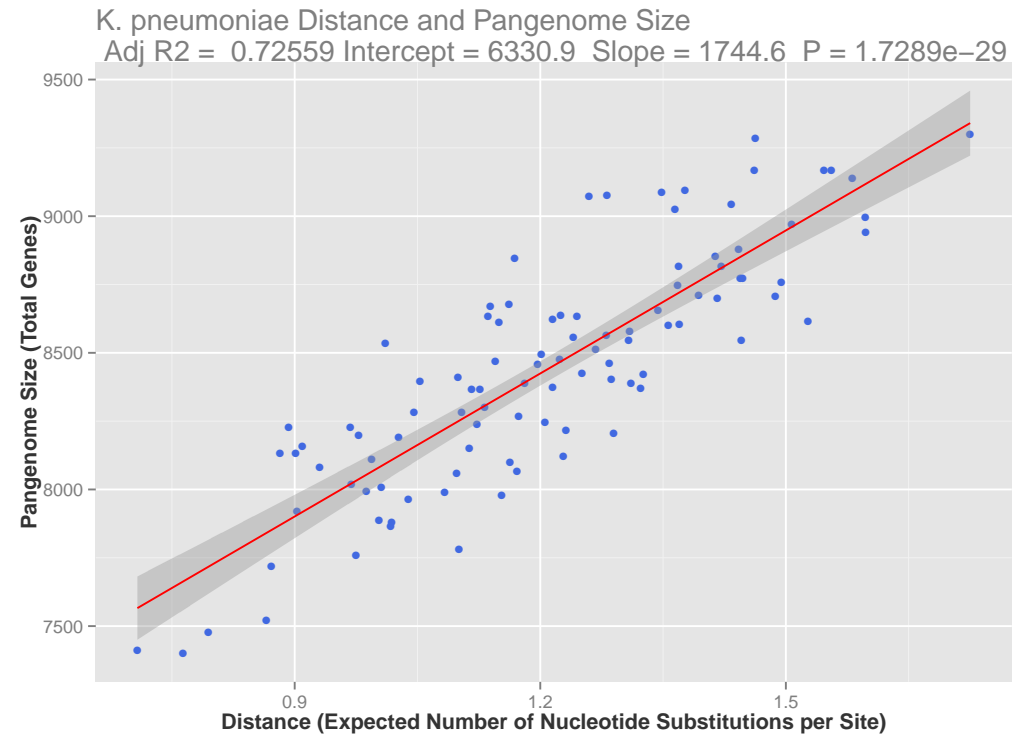
Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2501.96	108.62	23.035	< 2e-16 ***
distance	544.46	61.81	8.809	4.64e-14 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 111.6 on 98 degrees of freedom
Multiple R-squared: 0.4419, Adjusted R-squared: 0.4362
F-statistic: 77.59 on 1 and 98 DF, p-value: 4.643e-14

K. pneumoniae



Residuals:

Min	1Q	Median	3Q	Max
-470.28	-176.73	-3.73	138.30	543.38

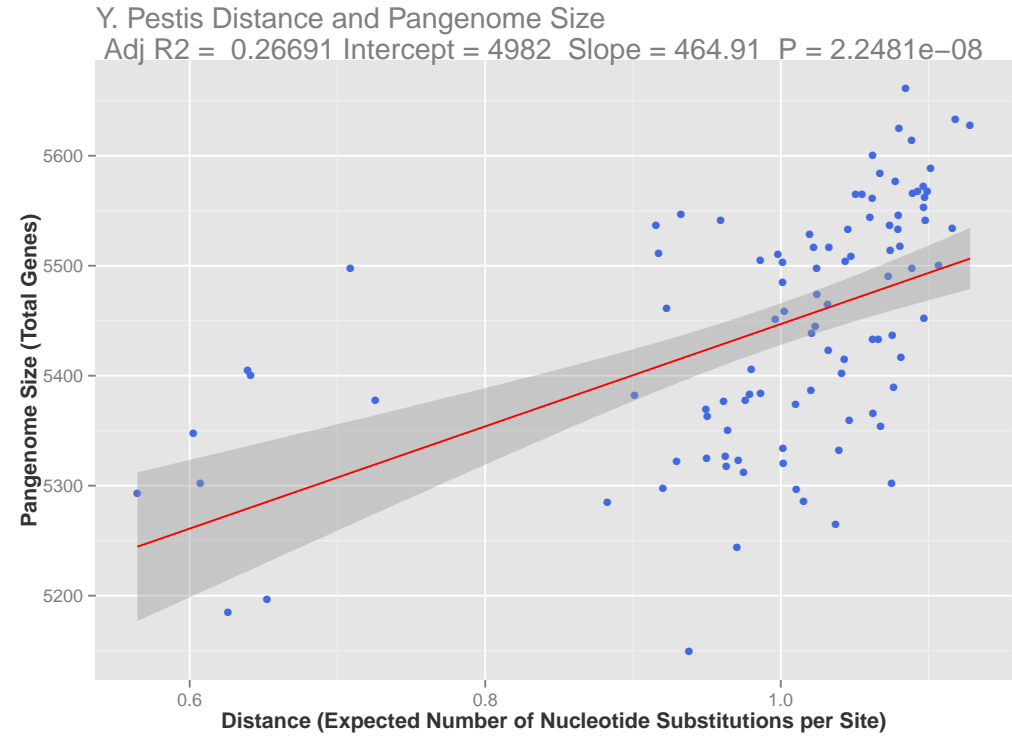
Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	6330.9	132.0	47.97	<2e-16 ***
distance	1744.6	107.6	16.21	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 223.6 on 98 degrees of freedom
Multiple R-squared: 0.7284, Adjusted R-squared: 0.7256
F-statistic: 262.8 on 1 and 98 DF, p-value: < 2.2e-16

Y. pestis (Roary with plasmids)



Residuals :

Min	1Q	Median	3Q	Max
-269.14	-71.55	13.31	70.56	186.45

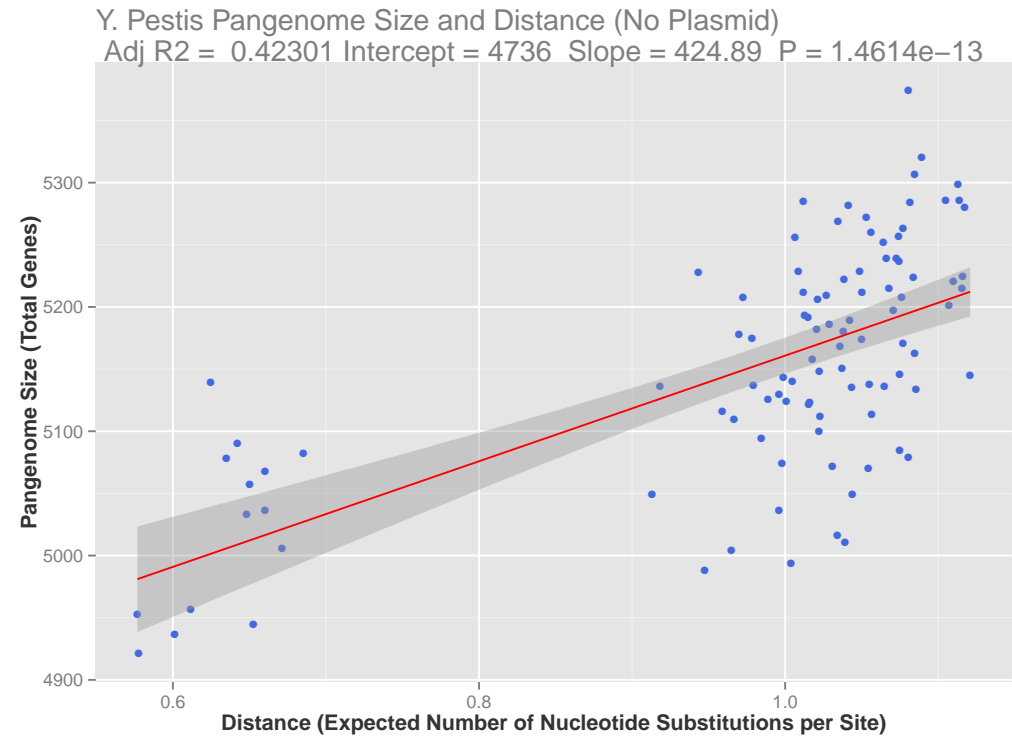
Coefficients :

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	4982.04	76.43	65.181	< 2e-16 ***
distance	464.91	76.38	6.087	2.25e-08 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 95.16 on 98 degrees of freedom
Multiple R-squared: 0.2743, Adjusted R-squared: 0.2669
F-statistic: 37.05 on 1 and 98 DF, p-value: 2.248e-08

Y. Pestis (no plasmids)



Residuals :

Min	1Q	Median	3Q	Max
-168.458	-45.574	8.002	50.453	178.932

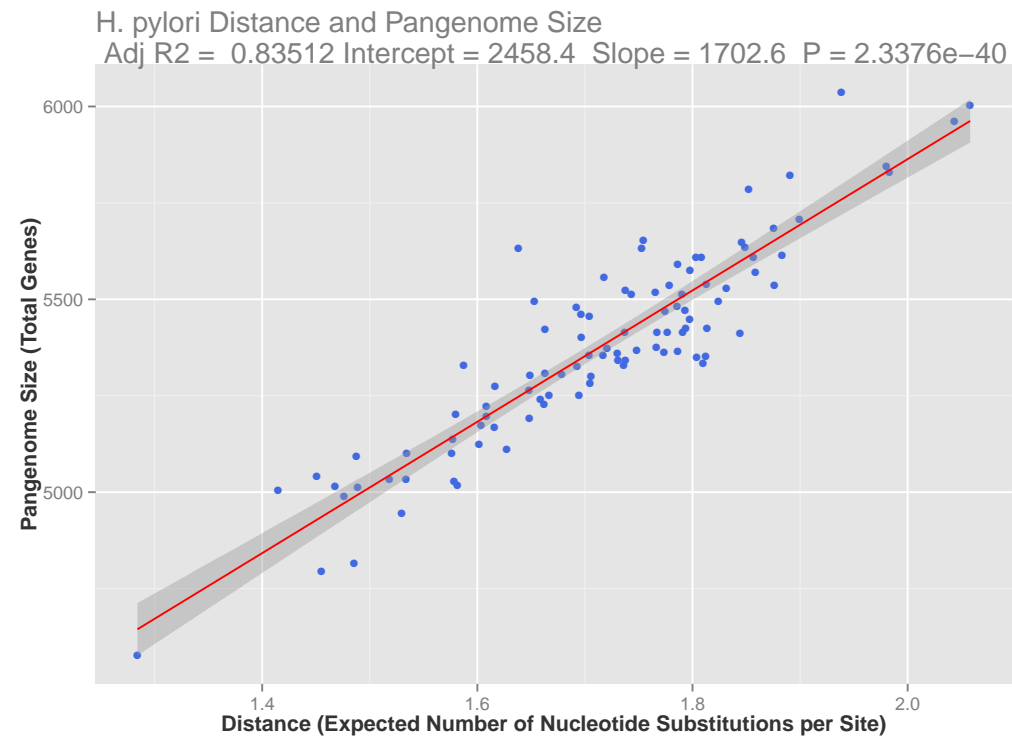
Coefficients :

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	4735.96	49.17	96.326	< 2e-16 ***
distance	424.89	49.53	8.578	1.46e-13 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 72.68 on 98 degrees of freedom
Multiple R-squared: 0.4288, Adjusted R-squared: 0.423
F-statistic: 73.58 on 1 and 98 DF, p-value: 1.461e-13

H. pylori



Residuals:

Min	1Q	Median	3Q	Max
-204.67	-68.46	-9.40	54.63	385.49

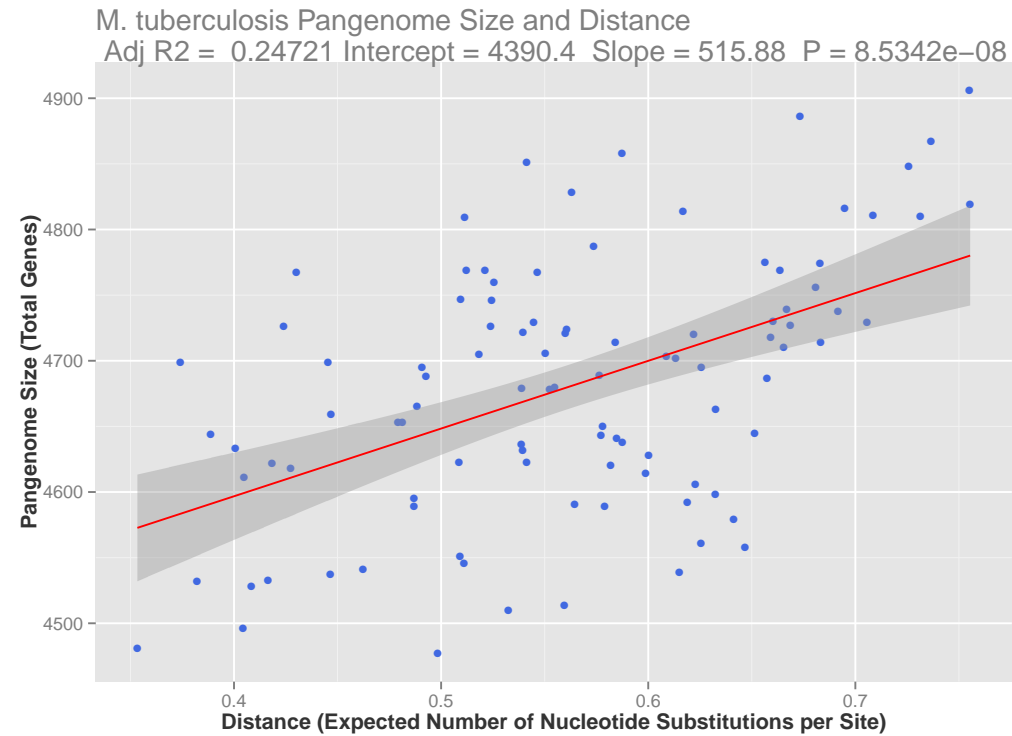
Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2458.40	130.57	18.83	<2e-16 ***
distance	1702.57	75.96	22.41	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 104.6 on 98 degrees of freedom
Multiple R-squared: 0.8368, Adjusted R-squared: 0.8351
F-statistic: 502.4 on 1 and 98 DF, p-value: < 2.2e-16

M. tuberculosis



Residuals:

Min	1Q	Median	3Q	Max
-269.14	-71.55	13.31	70.56	186.45

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	4982.04	76.43	65.181	< 2e-16 ***
distance	464.91	76.38	6.087	2.25e-08 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '1'

Residual standard error: 95.16 on 98 degrees of freedom
Multiple R-squared: 0.2743, Adjusted R-squared: 0.2669
F-statistic: 37.05 on 1 and 98 DF, p-value: 2.248e-08