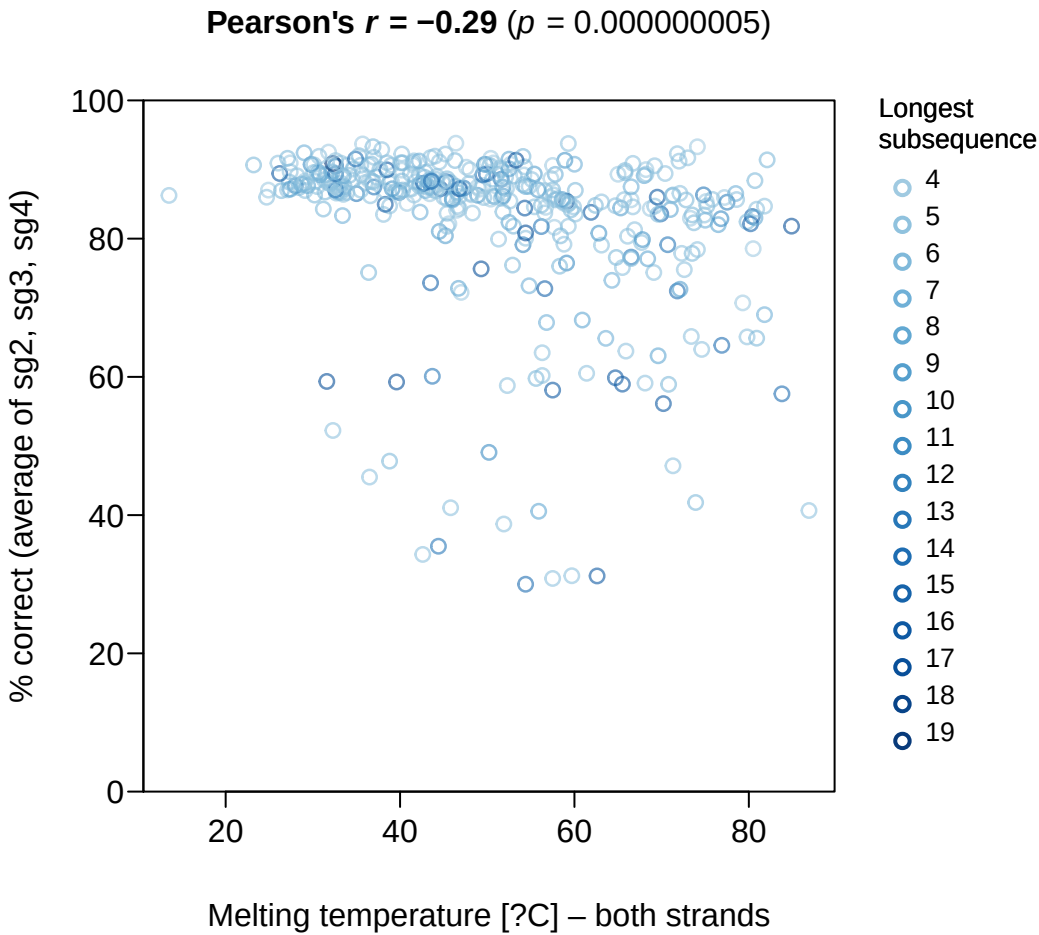
Pearson's r = −0.29 (p = 0.000000005)
% correct (average of sg2, sg3, sg4)
100
80
60
40
20
0
20
40
60
80
Melting temperature [?C] – both strands
Longest subsequence
4
5
6
7
8
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10
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12
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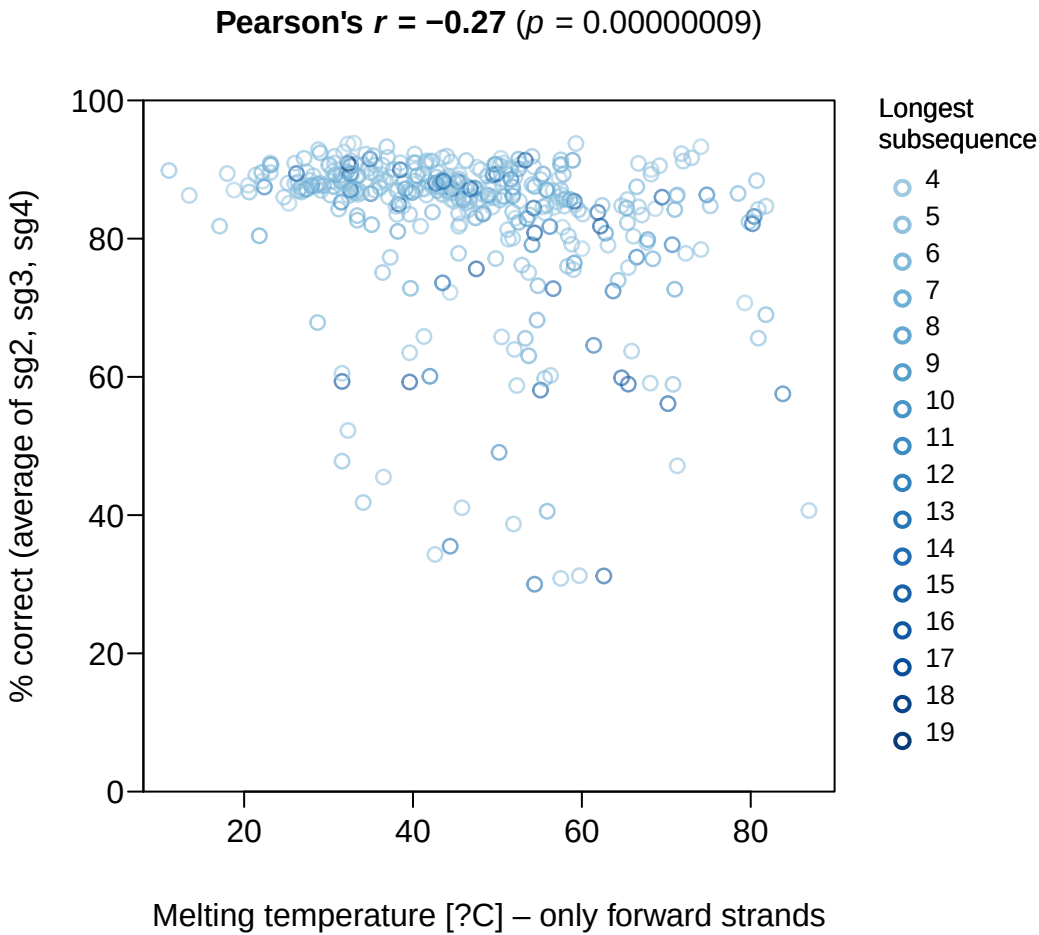
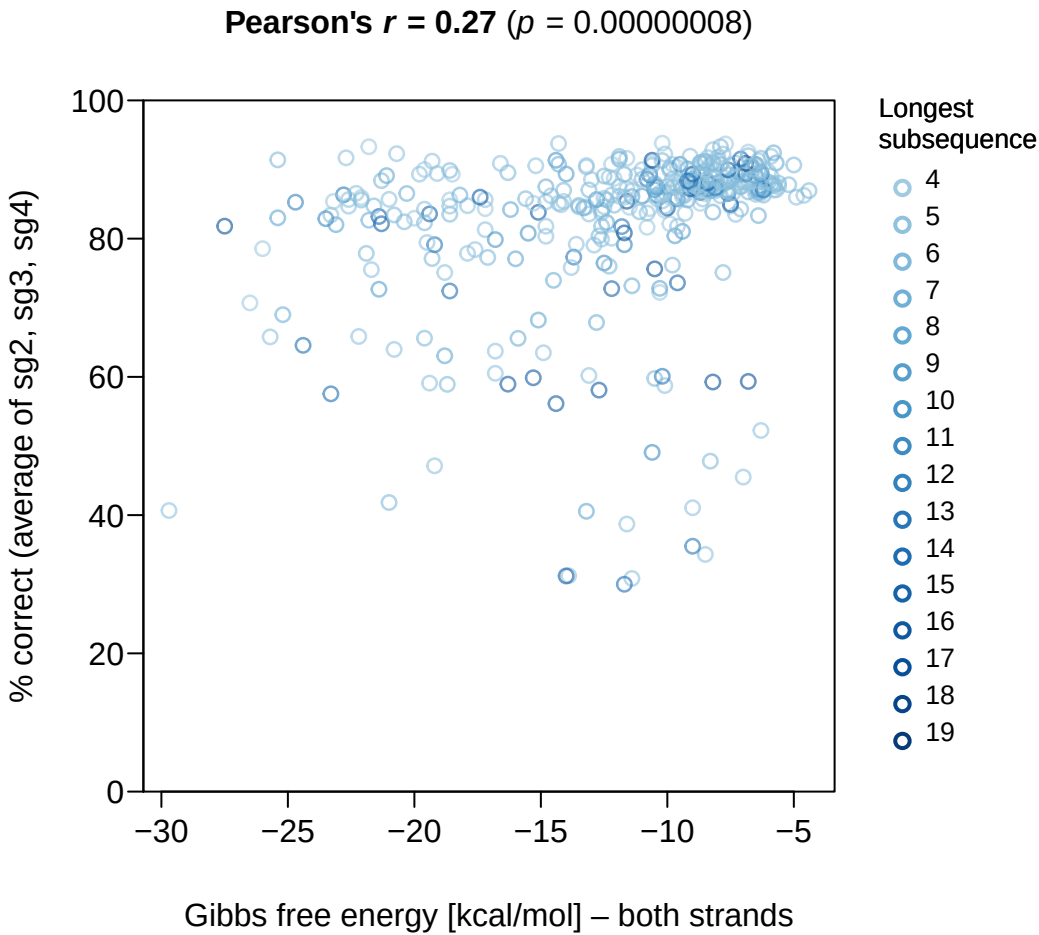
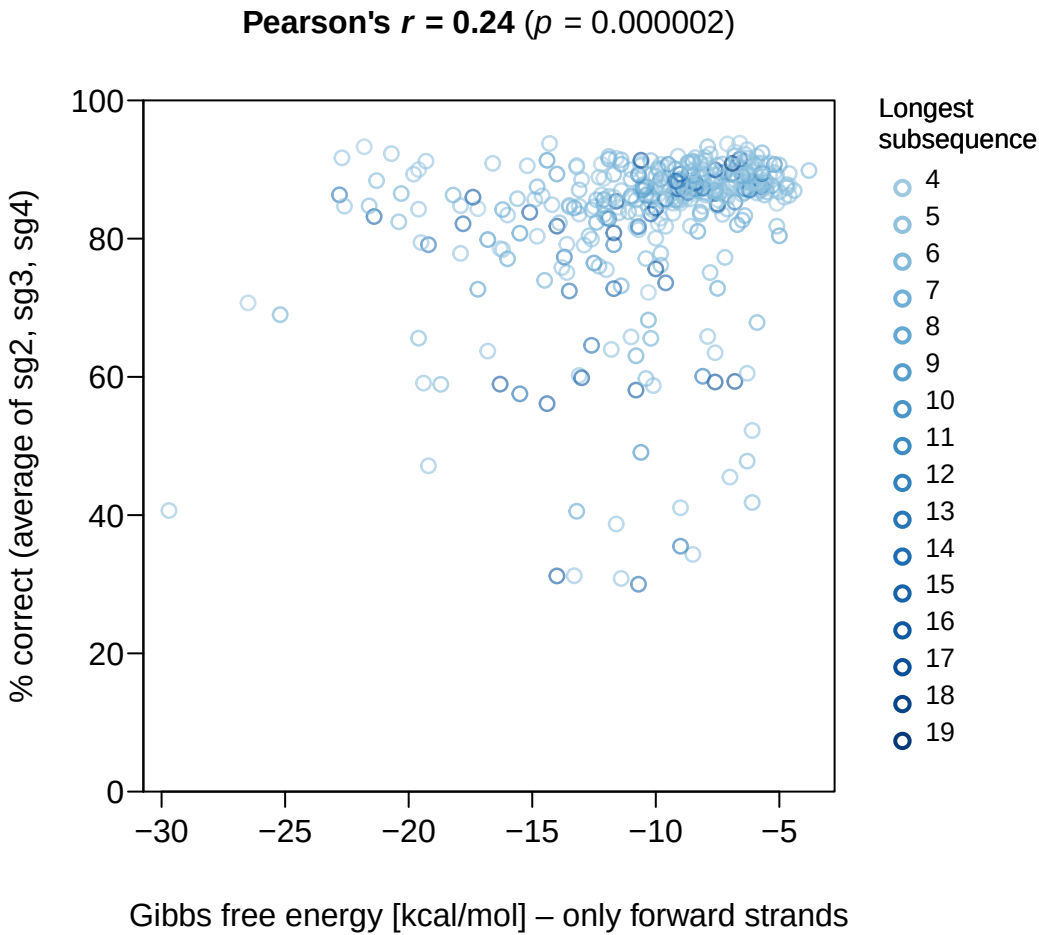
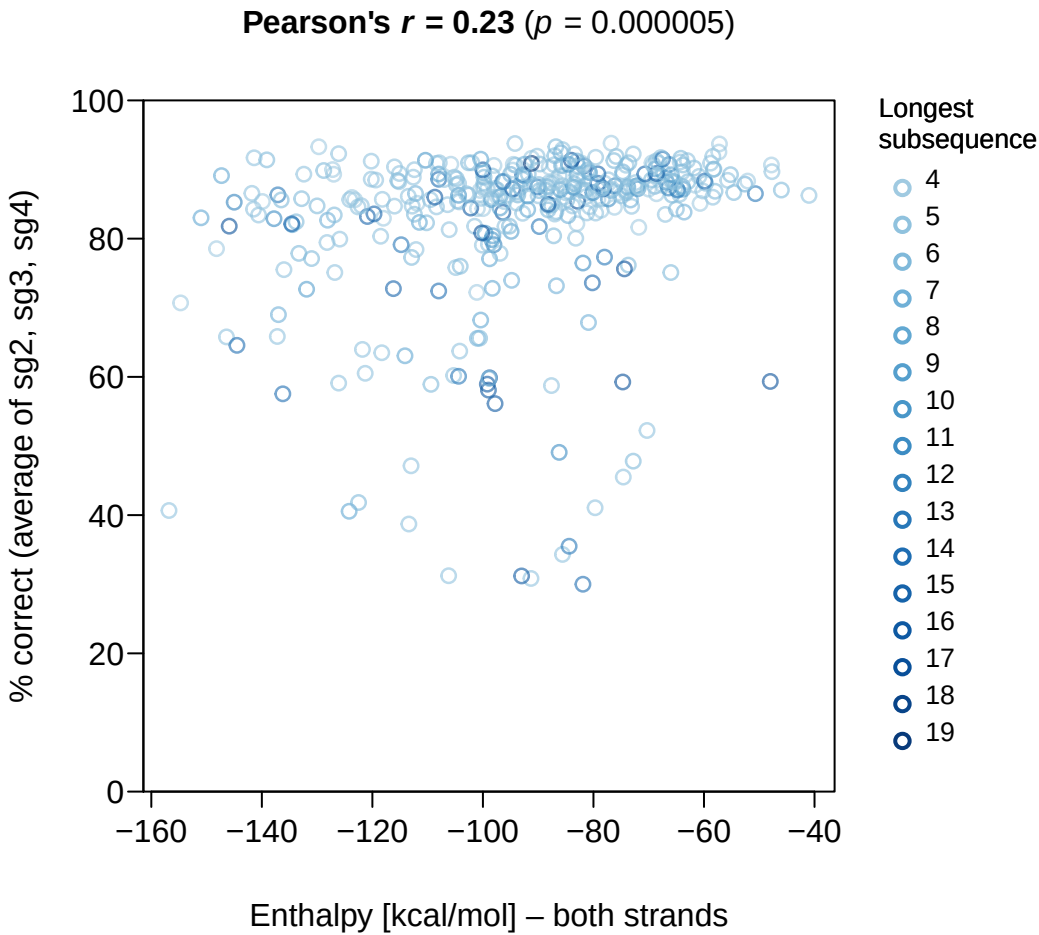
16
17
18
19


Pearson's r = −0.27 (p = 0.00000009)
% correct (average of sg2, sg3, sg4)
Melting temperature [?C] – only forward strands
Longest subsequence
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
0
20
40
60
80
100
20
40
60
80


Pearson's r = 0.27 (p = 0.00000008)
% correct (average of sg2, sg3, sg4)
100
80
60
40
20
0
−30
−25
−20
−15
−10
−5
Gibbs free energy [kcal/mol] – both strands
Longest subsequence
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19


Pearson's r = 0.24 (p = 0.000002)
% correct (average of sg2, sg3, sg4)
100
80
60
40
20
0
−30
−25
−20
−15
−10
−5
Gibbs free energy [kcal/mol] – only forward strands
Longest subsequence
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19


Pearson's r = 0.23 (p = 0.000005)
% correct (average of sg2, sg3, sg4)
100
80
60
40
20
0
−160
−140
−120
−100
−80
−60
−40
Enthalpy [kcal/mol] – both strands
Longest subsequence
4
5
6
7
8
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10
11
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13
14
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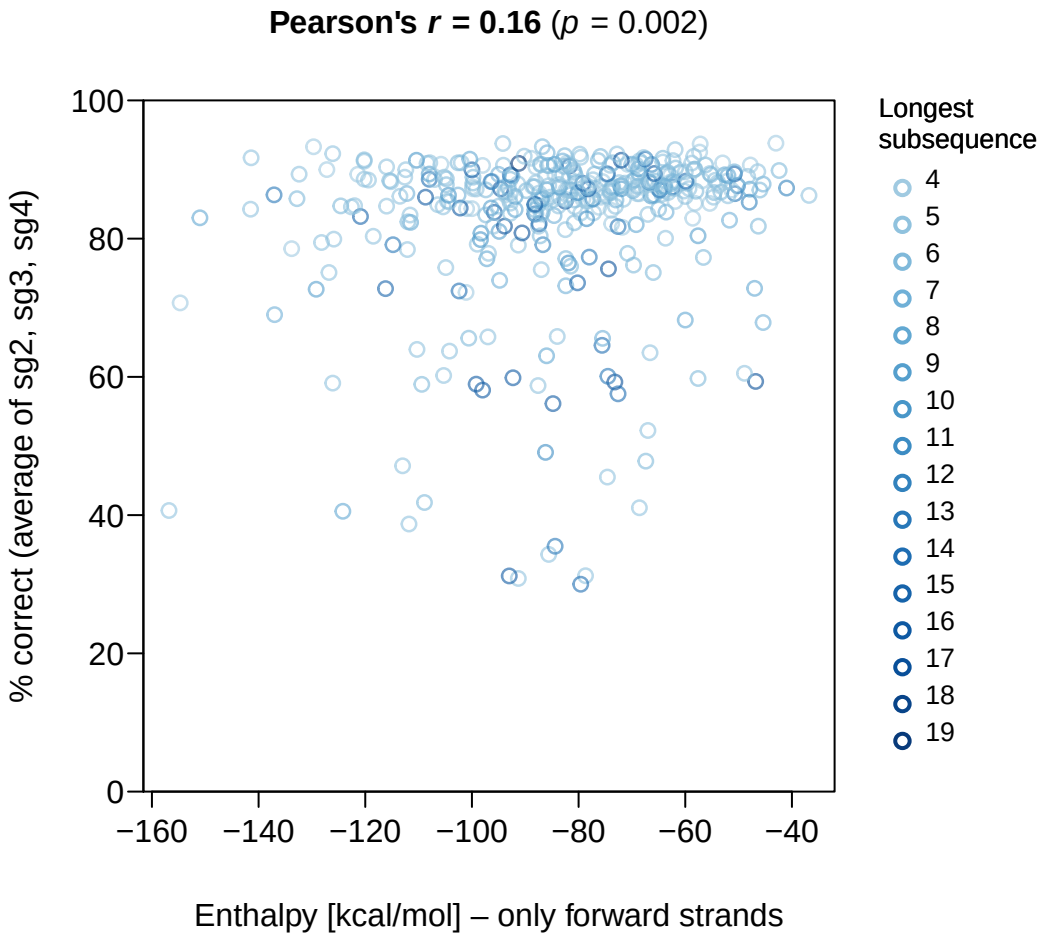
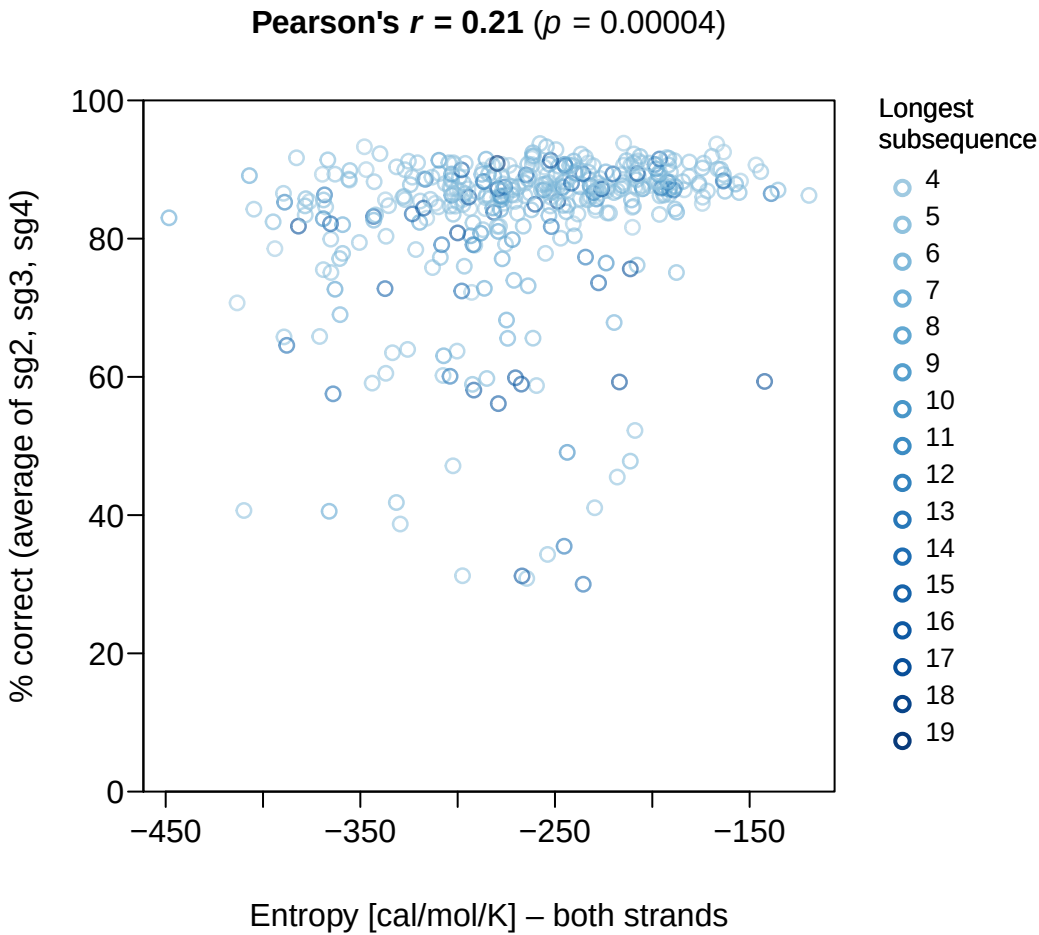
16
17
18
19


Pearson's r = 0.16 (p = 0.002)
% correct (average of sg2, sg3, sg4)
100
80
60
40
20
0
−160
−140
−120
−100
−80
−60
−40
Enthalpy [kcal/mol] – only forward strands
Longest subsequence
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19


Pearson's r = 0.21 (p = 0.00004)
100
80
60
40
20
0
% correct (average of sg2, sg3, sg4)
−450
−350
−250
−150
Entropy [cal/mol/K] – both strands
Longest subsequence
4
5
6
7
8
9
10
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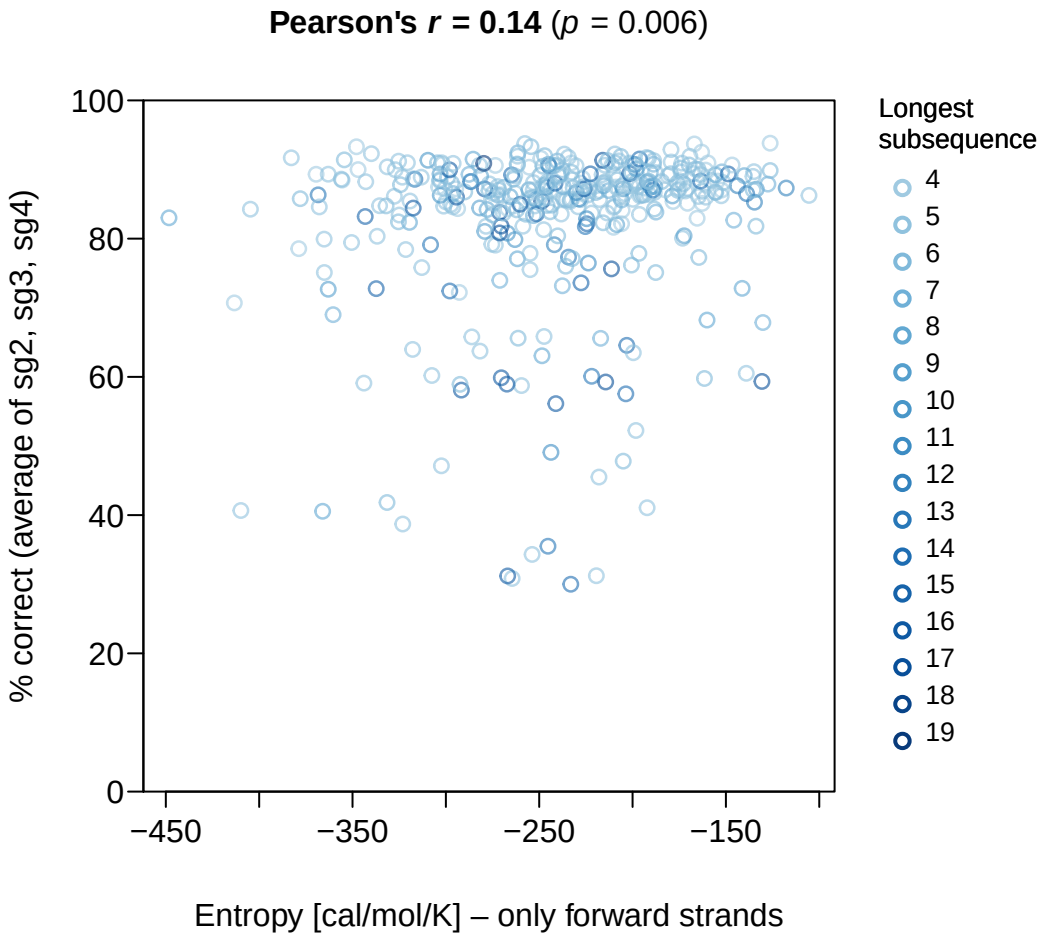
16
17
18
19


Pearson's r = 0.14 (p = 0.006)
100
80
60
40
20
0
% correct (average of sg2, sg3, sg4)
−450
−350
−250
−150
Entropy [cal/mol/K] – only forward strands
Longest subsequence
4
5
6
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8
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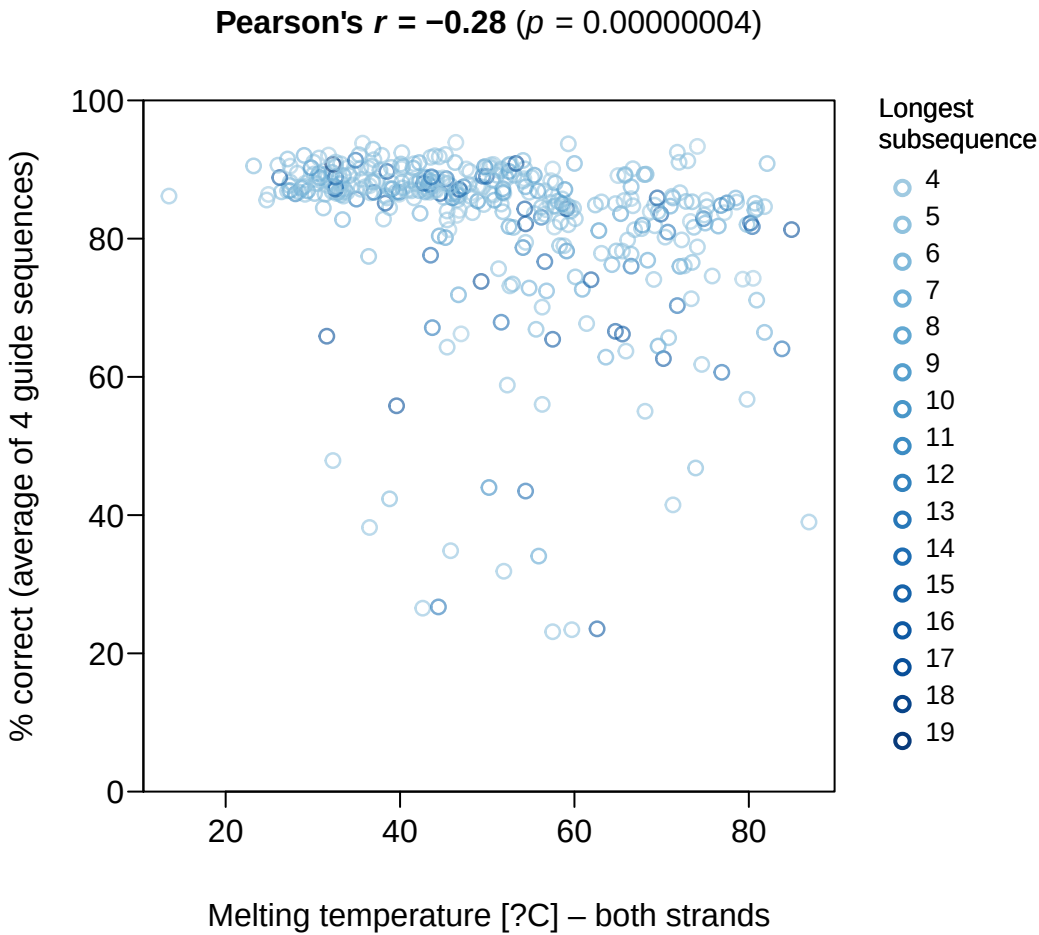
Pearson's r = −0.28 (p = 0.00000004)
% correct (average of 4 guide sequences)
100
80
60
40
20
0
20
40
60
80
Melting temperature [?C] – both strands
Longest subsequence
4
5
6
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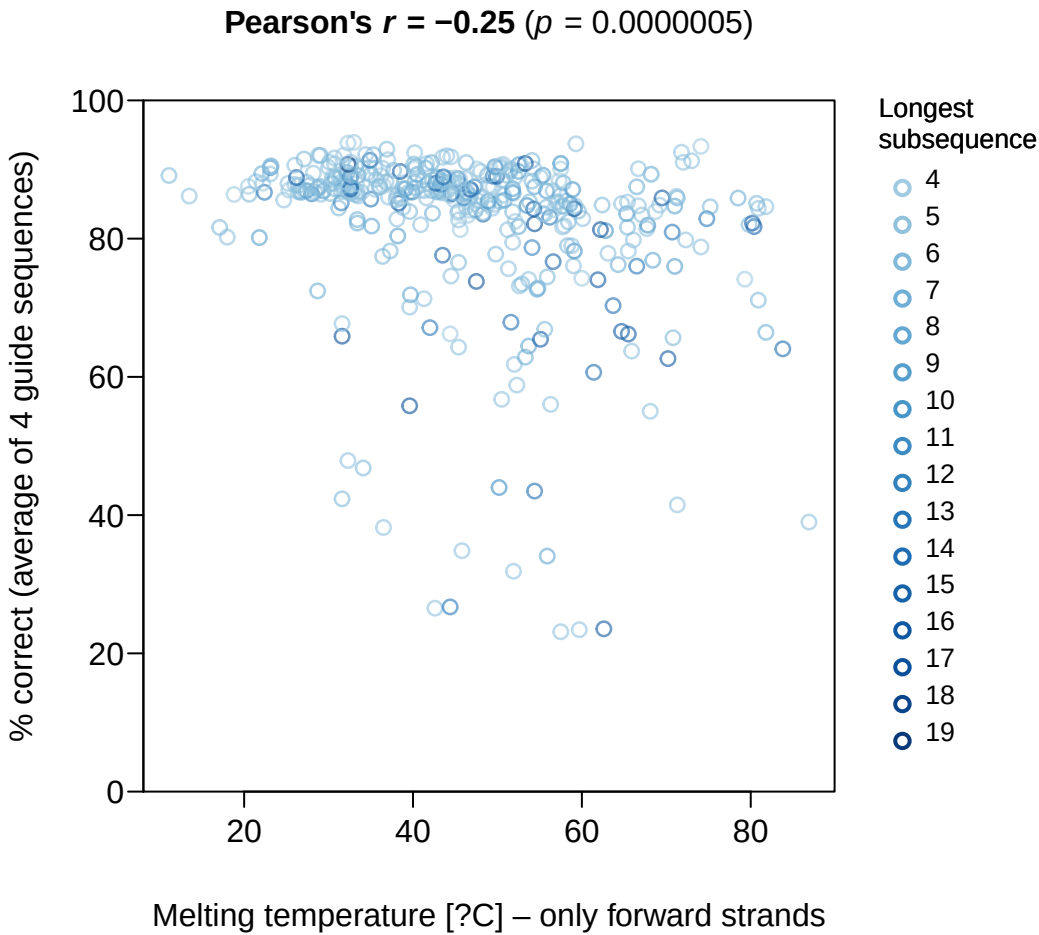
19


Pearson's r = −0.25 (p = 0.0000005)
% correct (average of 4 guide sequences)
100
80
60
40
20
0
20
40
60
80
Melting temperature [?C] – only forward strands
Longest subsequence
4
5
6
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8
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17
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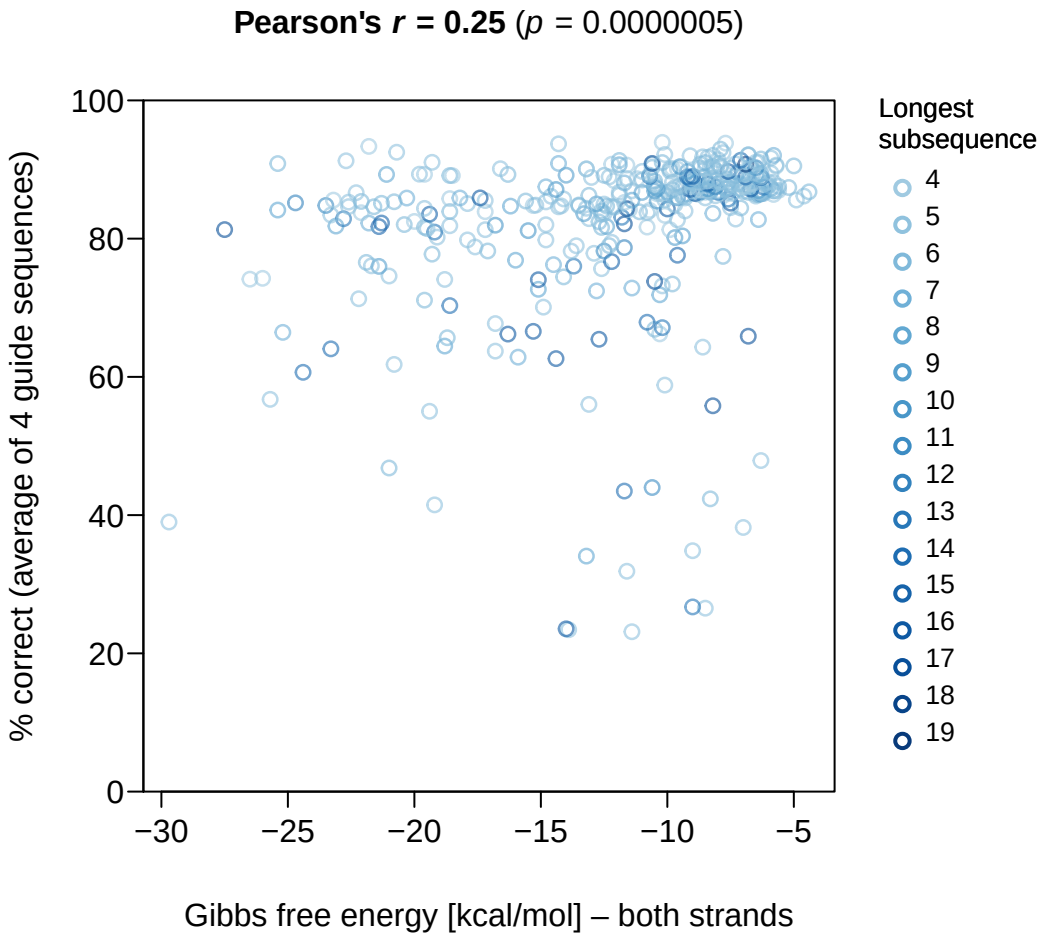
19


Pearson's r = 0.25 (p = 0.0000005)
% correct (average of 4 guide sequences)
100
80
60
40
20
0
−30
−25
−20
−15
−10
−5
Gibbs free energy [kcal/mol] – both strands
Longest subsequence
4
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16
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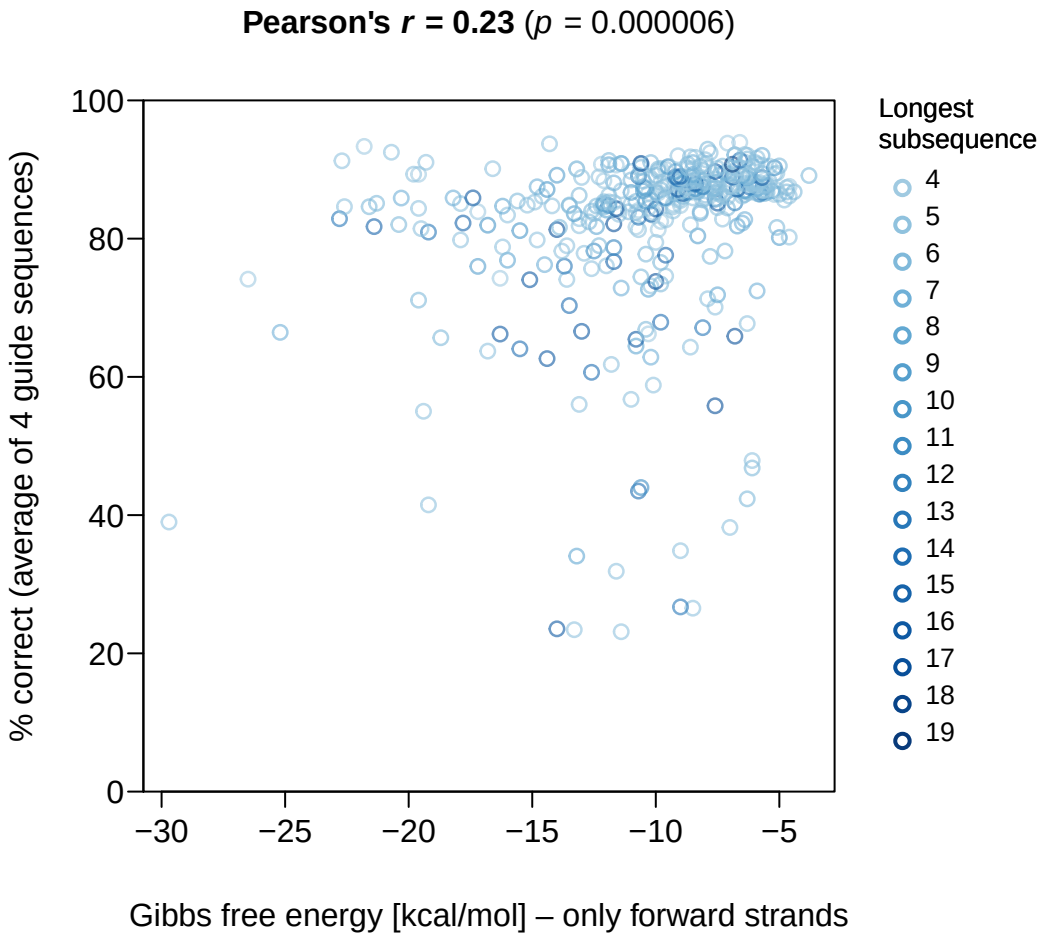
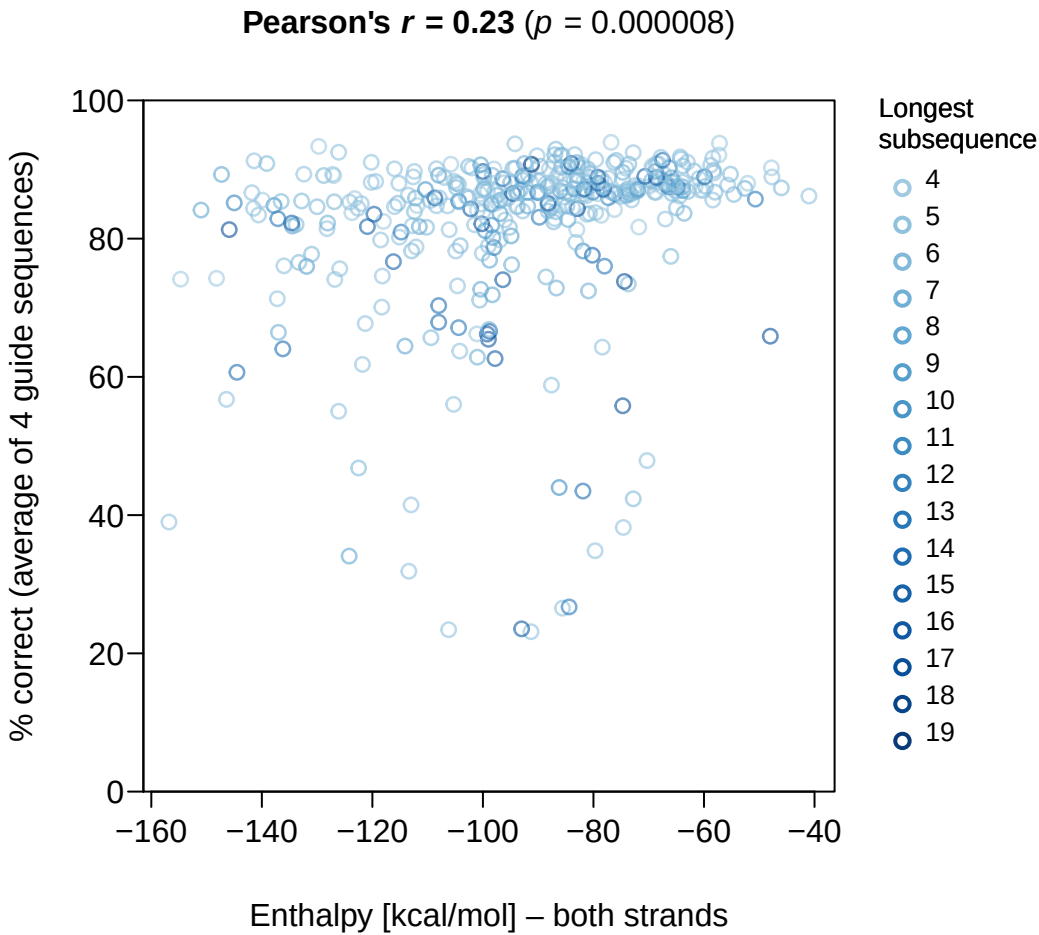
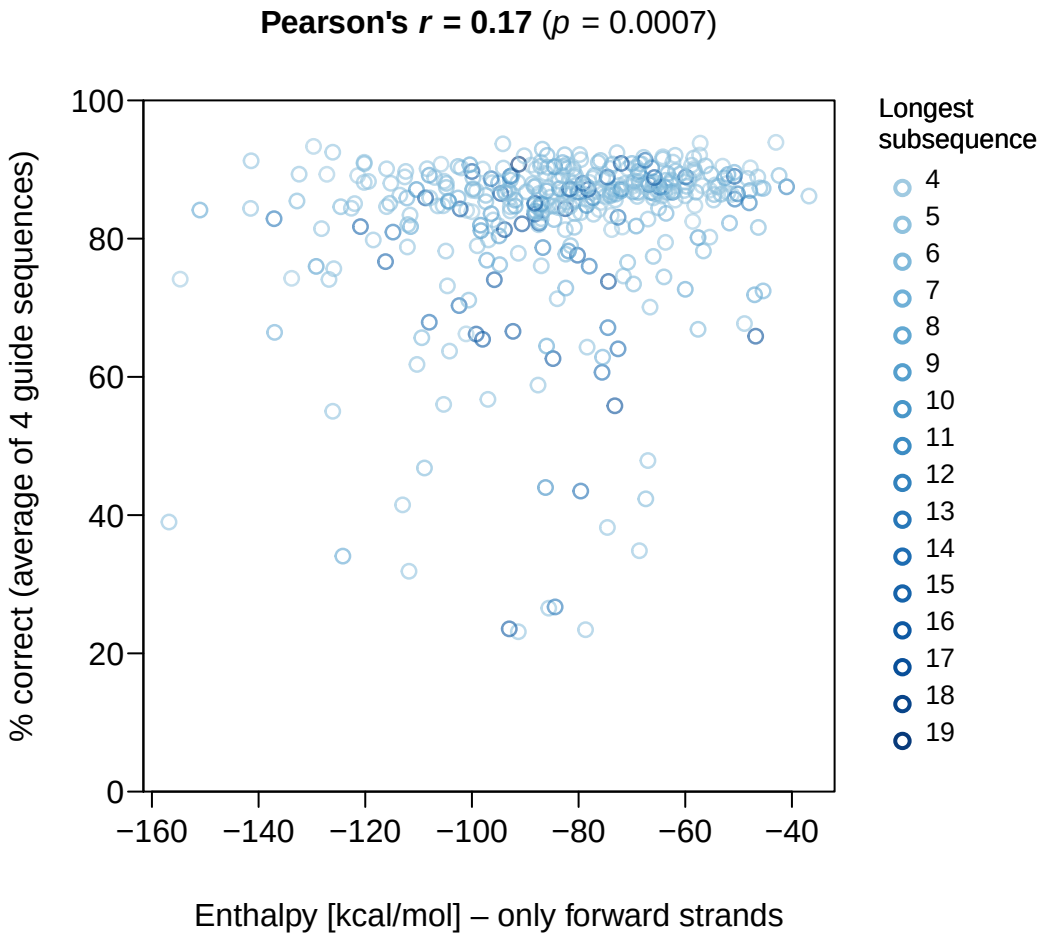
19


Pearson's r = 0.23 (p = 0.000006)
% correct (average of 4 guide sequences)
100
80
60
40
20
0
−30
−25
−20
−15
−10
−5
Gibbs free energy [kcal/mol] – only forward strands
Longest subsequence
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19


Pearson's r = 0.23 (p = 0.000008)
% correct (average of 4 guide sequences)
100
80
60
40
20
0
−160
−140
−120
−100
−80
−60
−40
Enthalpy [kcal/mol] – both strands
Longest subsequence
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19


Pearson's r = 0.17 (p = 0.0007)
% correct (average of 4 guide sequences)
100
80
60
40
20
0
−160
−140
−120
−100
−80
−60
−40
Enthalpy [kcal/mol] – only forward strands
Longest subsequence
4
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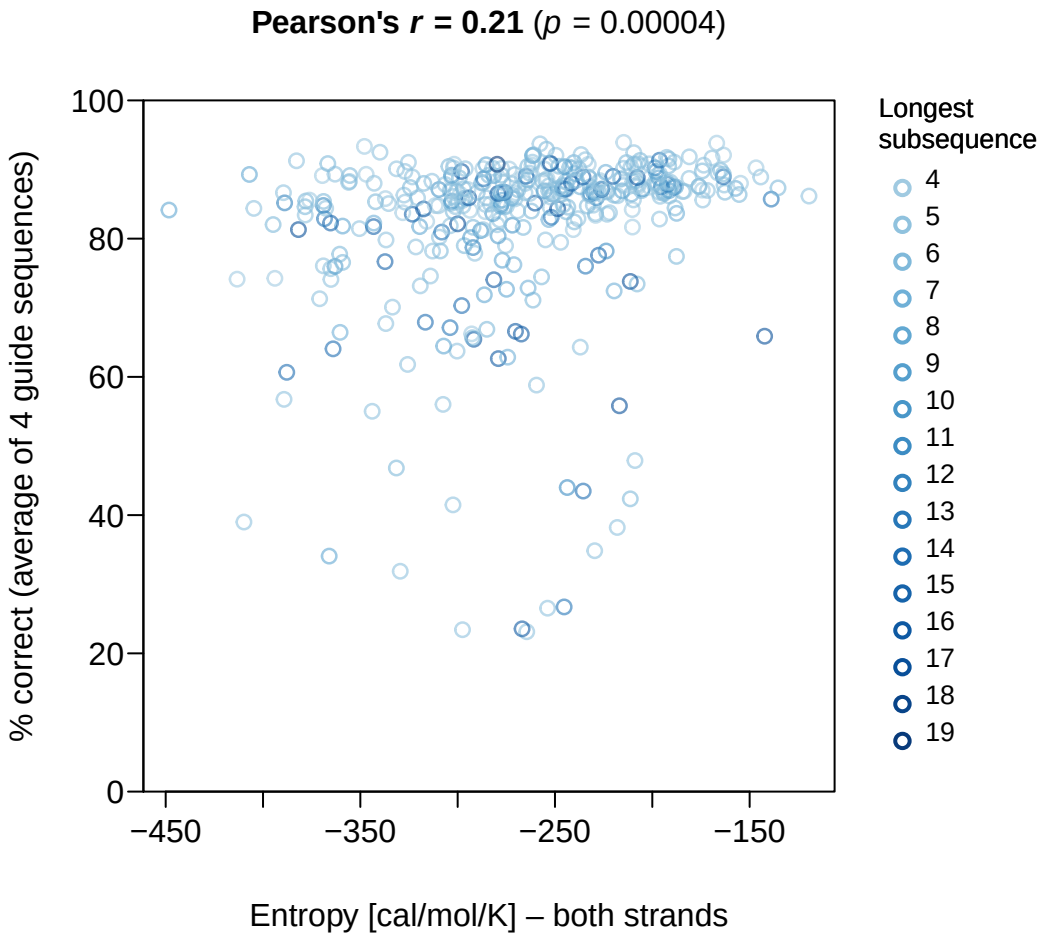
Pearson's r = 0.21 (p = 0.00004)
% correct (average of 4 guide sequences)
100
80
60
40
20
0
−450
−350
−250
−150
Entropy [cal/mol/K] – both strands
Longest subsequence
4
5
6
7
8
9
10
11
12
13
14
15
16
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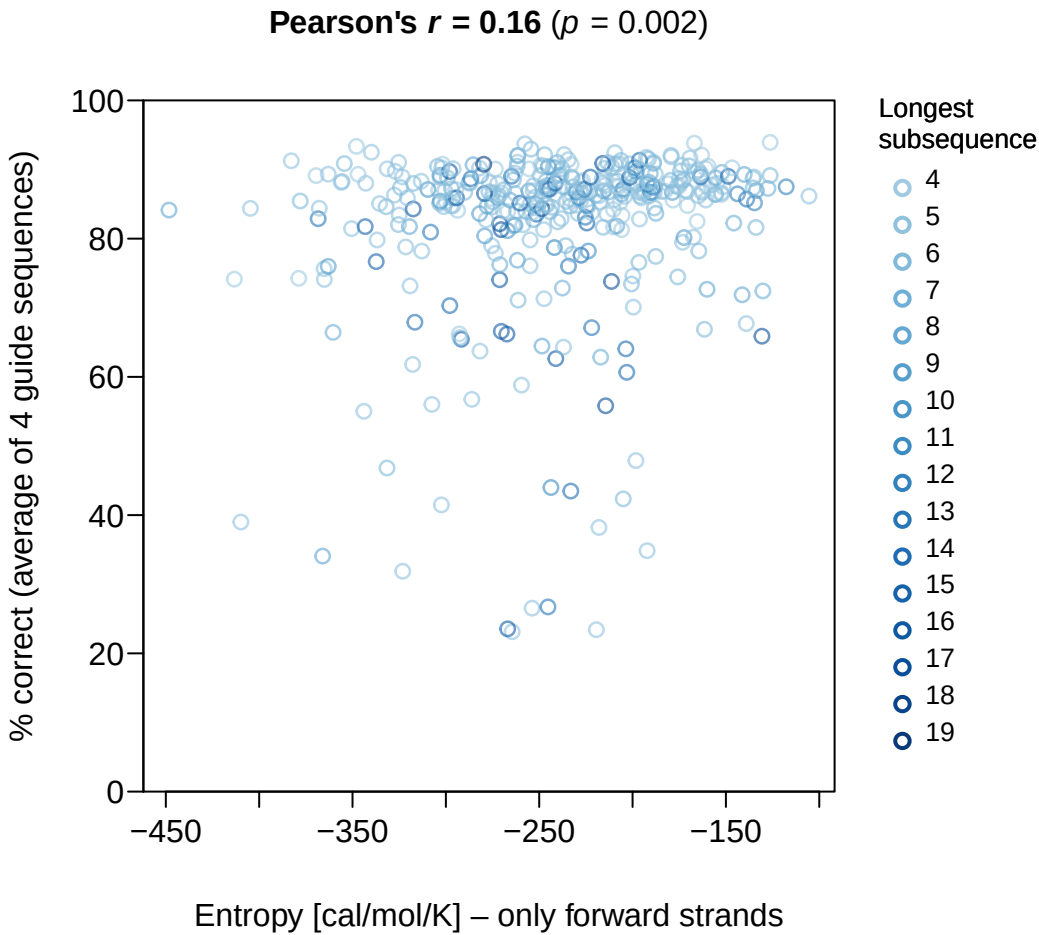
18
19


Pearson's r = 0.16 (p = 0.002)
% correct (average of 4 guide sequences)
100
80
60
40
20
0
−450
−350
−250
−150
Entropy [cal/mol/K] – only forward strands
Longest subsequence
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19