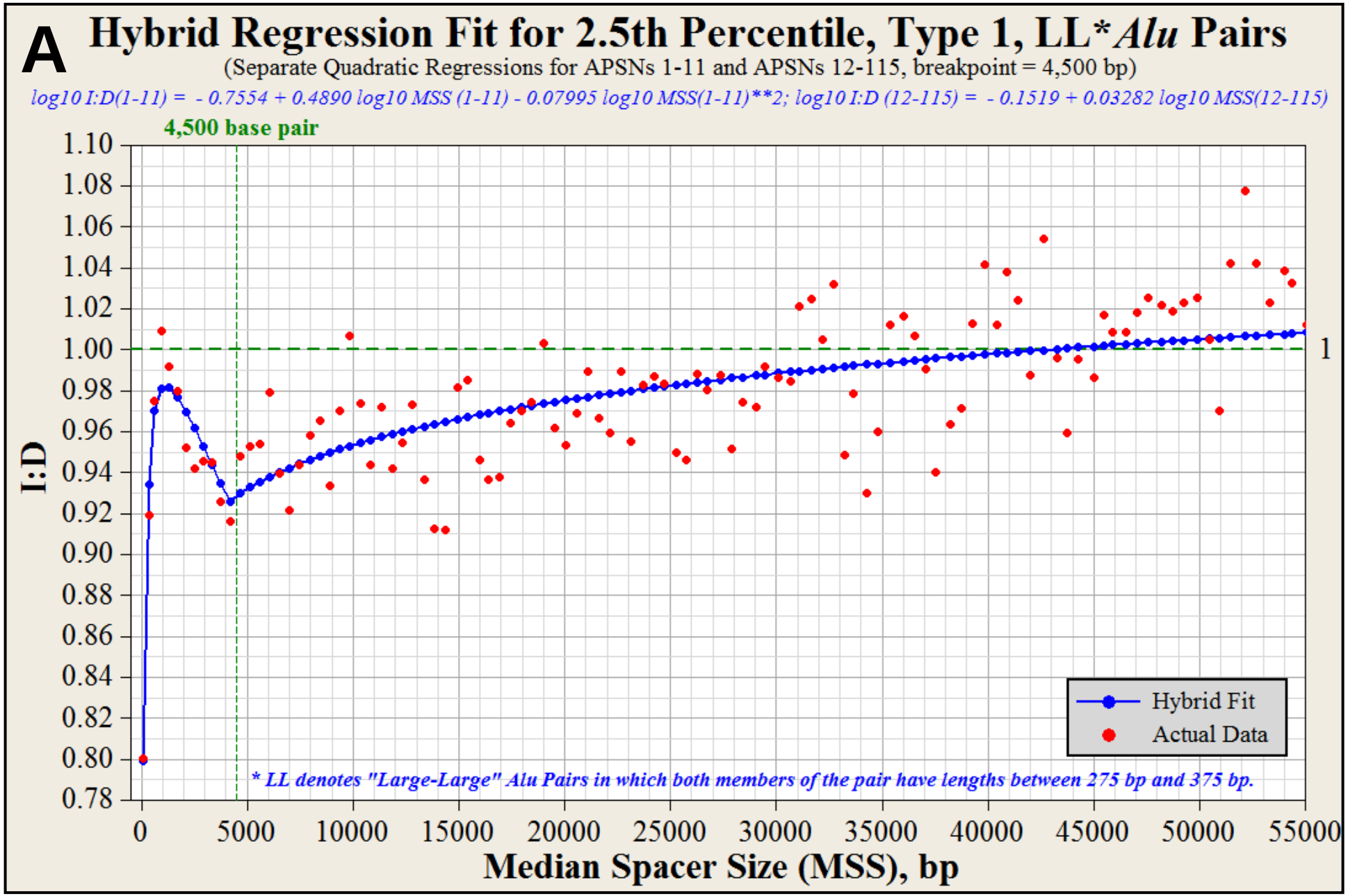
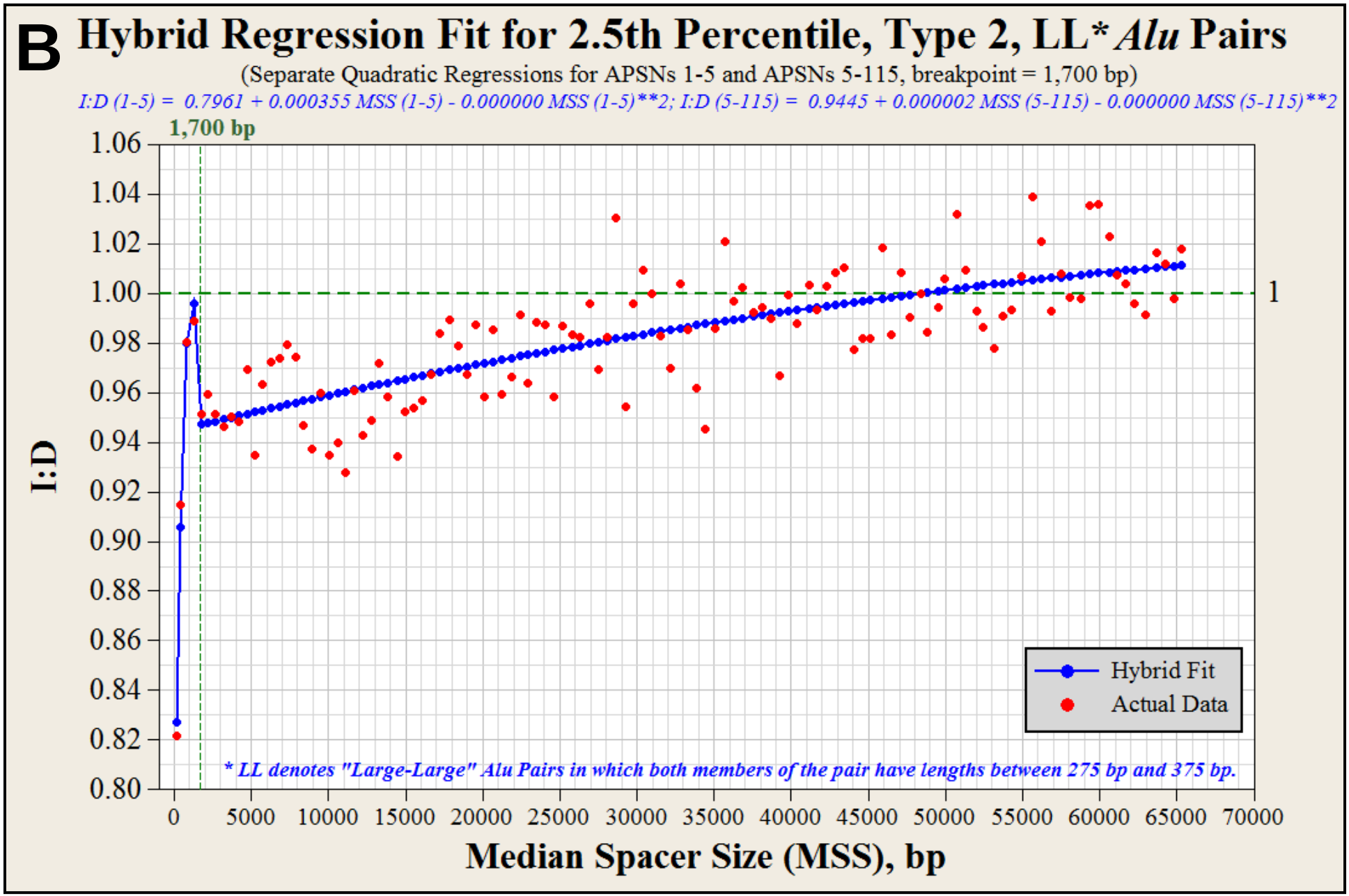
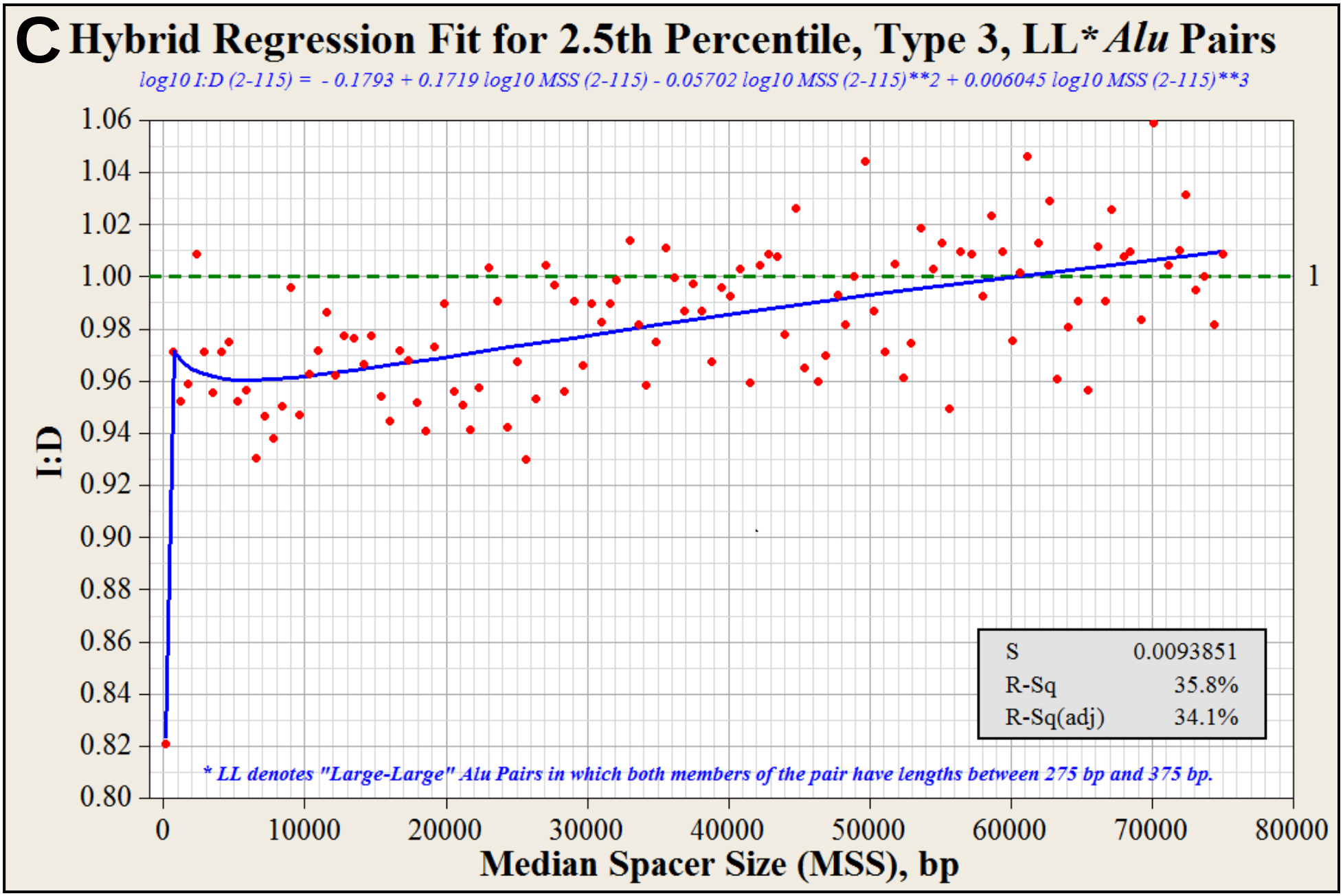

A
Hybrid Regression Fit for 2.5th Percentile, Type 1, LL*Alu Pairs
(Separate Quadratic Regressions for APSNs 1-11 and APSNs 12-115, breakpoint = 4,500 bp)
log10 I:D(1-11) = - 0.7554 + 0.4890 log10 MSS (1-11) - 0.07995 log10 MSS(1-11)**2; log10 I:D (12-115) = - 0.1519 + 0.03282 log10 MSS(12-115)
4,500 base pair
1.10
1.08
1.06
1.04
1.02
1.00
0.98
0.96
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
0.78
I:D
1
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
50000
55000
Median Spacer Size (MSS), bp
Hybrid Fit
Actual Data
* LL denotes "Large-Large" Alu Pairs in which both members of the pair have lengths between 275 bp and 375 bp.


B
Hybrid Regression Fit for 2.5th Percentile, Type 2, LL* Alu Pairs
(Separate Quadratic Regressions for APSNs 1-5 and APSNs 5-115, breakpoint = 1,700 bp)
I:D (1-5) = 0.7961 + 0.000355 MSS (1-5) - 0.000000 MSS (1-5)**2; I:D (5-115) = 0.9445 + 0.000002 MSS (5-115) - 0.000000 MSS (5-115)**2
1,700 bp
1.06
1.04
1.02
1.00
0.98
0.96
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
1
I:D
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
50000
55000
60000
65000
70000
Median Spacer Size (MSS), bp
Hybrid Fit
Actual Data
* LL denotes "Large-Large" Alu Pairs in which both members of the pair have lengths between 275 bp and 375 bp.


C Hybrid Regression Fit for 2.5th Percentile, Type 3, LL* Alu Pairs
log10 I:D (2-115) = - 0.1793 + 0.1719 log10 MSS (2-115) - 0.05702 log10 MSS (2-115)**2 + 0.006045 log10 MSS (2-115)**3
I:D
1.06
1.04
1.02
1.00
0.98
0.96
0.94
0.92
0.90
0.88
0.86
0.84
0.82
0.80
1
S 0.0093851
R-Sq 35.8%
R-Sq(adj) 34.1%
* LL denotes "Large-Large" Alu Pairs in which both members of the pair have lengths between 275 bp and 375 bp.
0
10000
20000
30000
40000
50000
60000
70000
80000
Median Spacer Size (MSS), bp