**Table S5.** *f*i *fractions for NGNN sequences with P3-A or P3-B (C/G/T) in melanomas*

|  |  |  |  |
| --- | --- | --- | --- |
| Sequence | Melanoma\_gws |  | Melanoma\_ews |
|  | Mean (SD) (x 10-5) | P-valuet-test |  | Mean (SD)(x 10-5) | P-valuet-test |
|  |  |  |  |  |  |  |  |
| CGAN | 14.28 (10.67) |  |  | 68.38 (35.82) |  |
| CGBN | 1.74 (1.79) | 9.115 x 10-4 |  | 6.39 (5.81) | 2.375 x 10-5 |
|  |  |  |  |  |  |  |  |
| DGAN | 4.94 (4.02) |  |  | 20.50 (17.51) |  |
| DGBN | 1.51 (1.65) | 1.123 x 10-4 |  | 5.45 (5.26) | 2.838 x 10-5 |
|  |  |  |  |  |  |  |  |
| CGAN *vs*. DGAN |  |  | 0.019 |  |  |  | 2.621 x 10-3 |
| CGBN *vs*. DGBN |  |  | 0.697 |  |  |  | 0.604 |
|  |  |  |  |  |  |  |  |