Primer order for Pv\_Hu

* Want to try with just human background. Elected to get best set from fg\_dist\_mean and score for each of the successful runs: Run 0 and Run 0.1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **mitoDNA excluded?** | **Ranked by** | **Run** | **Tm range** | **Foreground** | **\_id** | **score** | **set\_size** | **bg\_dist\_mean** | **fg\_max\_dist** | **fg\_dist\_mean** | **fg\_dist\_std** | **fg\_dist\_gini** | **scoring\_fn** | **primers** |  |  |  |  |  |  |  |  |  |
| Pv\_HuPf\_S1 | No | score | 0.1 | 18-30 | no AAKM, includes hypervar | 14858 | 0.085926511 | 5 | 37389.80312 | 74786 | 5621.637267 | 7301.010358 | 0.571501713 | (fg\_dist\_mean \* fg\_dist\_gini) / (bg\_dist\_mean) | **CGAAATAT** | **CGAATAAT** | **CGATAAAA** | **CGTAAATA** | **TATAACGA** |  |  |  |  |  |
| Pv\_HuPf\_S4 | No | score | 0 | 18-40 | no AAKM, includes hypervar | 199643 | 0.018866097 | 6 | 248063.8022 | 79383 | 8807.742312 | 9549.349717 | 0.531350227 | (fg\_dist\_mean \* fg\_dist\_gini) / (bg\_dist\_mean) | CGAAATGTA | CGAATACG | CGATAACG | CGATTACG | TATTTTTACG | TTTTTTTACG | |  |  |  |
| Pv\_HuPf\_S10 | No | fg\_dist\_mean | 0.1 | 18-30 | no AAKM, includes hypervar | 28618 | 0.08796024 | 6 | 30120.22313 | 74786 | 4607.430259 | **6071.493359** | 0.575023801 | (fg\_dist\_mean \* fg\_dist\_gini) / (bg\_dist\_mean) | CGAAATAT | **CGAATAAA** | **CGAATAAT** | **CGATAAAA** | **CGTAAATA** | **TAATCGTA** |  |  |  |  |
| Pv\_HuPf\_S13 | No | fg\_dist\_mean | 0 | 18-40 | no AAKM, includes hypervar | 126557 | 0.024347363 | 10 | 128937.6696 | 62027 | 5880.220894 | **6482.639678** | 0.533873174 | (fg\_dist\_mean \* fg\_dist\_gini) / (bg\_dist\_mean) | ATTTTTTACG | CGAAATGTA | **CGAATACG** | **CGATAACG** | **CGATTACG** | **CTTTTACGA** | **GACGAAATA** | **TACGAATTG** | **TTATGTACG** | **TTTTTTTACG** |

|  |  |
| --- | --- |
| **Primer Name** | **Primers to Order** |
| Pf\_Hu\_P1 | CGAAATAT |
| Pf\_Hu\_P2 | CGAATAAA |
| Pf\_Hu\_P3 | CGAATAAT |
| Pf\_Hu\_P4 | CGATAAAA |
| Pf\_Hu\_P5 | CGTAAATA |
| Pf\_Hu\_P6 | TAATCGTA |
| Pf\_Hu\_P17 | TATAACGA |

With phosphodiesterase bond:

|  |  |
| --- | --- |
| Pf\_Hu\_P1 | CGAAAT\*A\*T |
| Pf\_Hu\_P2 | CGAATA\*A\*A |
| Pf\_Hu\_P3 | CGAATA\*A\*T |
| Pf\_Hu\_P4 | CGATAA\*A\*A |
| Pf\_Hu\_P5 | CGTAAA\*T\*A |
| Pf\_Hu\_P6 | TAATCG\*T\*A |
| Pf\_Hu\_P17 | TATAAC\*G\*A |