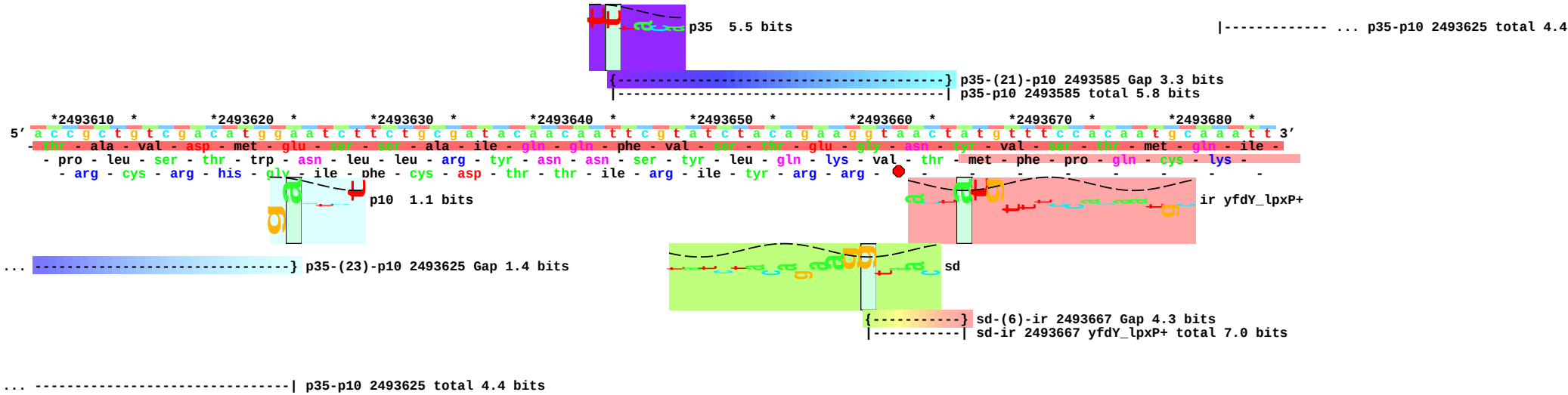
piece 1, NC_000913, yfdY_lpxP+, config: linear, direction: +, begin: 2493285, end: 2493686
*2493290 *2493300 *2493310 *2493320 *2493330 *2493340 *2493350 *2493360 *
5' c a g g g c g a g a a a c a t c c a t a a a t t a a t c a t a g c t c a a c c t c c t g c c g c g c t a a a a a a c c t g t a a c t t c a g t c a c t t t a a t a 3'
- gln - gly - glu - lys - his - pro -
- arg - ala - arg - asn - ile - his - lys - leu - ile - ile - ala - gln - pro - pro - ala - ala - leu - lys - asn - leu -
- gly - arg - glu - thr - ser - ile - asn -
... ----------] NC_000913.yfdY
*2493370 *2493380 *2493390 *2493400 *2493410 *2493420 *2493430 *2493440 *
5' g t a a g a c a a t c c t t a a c c t c t g g c a a t t t t t g c t a a g c a t c a a t g a a a a c a g c a t g t t a a a t g c a a g a c t g t t g t g t a c g g 3'
-fMet - lys - thr - ala - cys - -fMet - gln - asp - cys - cys - val - arg -
-fMet - tyr - gly -
-fMet - leu - ser - ile - asn - glu - asn - ser - met - leu - asn - ala - arg - leu - leu - cys - thr - glu -
p35 5.2 bits
ir yfdY_lpxP+
sd
p10 1.7 bits
{----------} sd-(9)-ir 2493419 Gap 2.3 bits
|----------| sd-ir 2493419 yfdY_lpxP+ total 7.9 bits
{----------} p35-(23)-p10 2493419 Gap 1.4 bits
|----------| p35-p10 2493419 total 5.5 bits
p35 3.0 bits
{---------- ... p35-(23)-p10 2493450 Gap
|---------- ... p35-p10 2493450 total 4.1
*2493450 *2493460 *2493470 *2493480 *2493490 *2493500 *2493510 *2493520 *
5' a a a a a t a t t t a c t t t g c a c g a t t a a t a a t c a g t a g c t g a a a g c a g t c a g c g a g t g a t a a a g t a c a g a t a c c g c a t t c a t g c 3'
- lys - asn - ile - tyr - phe - ala - arg - leu - ile - ile - ser - ser -
- lys - ile - phe - thr - leu - his - asp -
-fMet - ile - lys - tyr - arg - tyr - arg - ile - his - ala -
- lys - tyr - leu - leu - cys - thr - ile - asn - asn - gln -
-fMet - leu -
p10 2.5 bits
[###> orf 21 codons
... ------} p35-(23)-p10 2493450 Gap 1.4 bits
... ------| p35-p10 2493450 total 4.1 bits
*2493530 *2493540 *2493550 *2493560 *2493570 *2493580 *2493590 *2493600 *
5' t c c t c g t g g t t a t g t c c t g a c t a g t c t t t a c a c t c t t t a c a g g a a c c a t t g t c g t a c a t g a t g g c c c a a c c a a t t g a g t g t 3'
-fMet - ser - tyr - met - met - ala - gln - pro - ile - glu - cys -
- pro - arg - gly - tyr - val - leu - thr - ser - leu - tyr - thr - leu - tyr - arg - asn - his - cys - arg - thr -
-fMet - ser - val -
- leu - val - val - met - ser -
-fMet - tyr -
p35 2.6 bits
sd
ir yfdY_lpxP+
p10 5.8 bits
{----------} sd-(15)-ir 2493585 Gap 6.0 bits
{---------- ... p35-(23)-p10 2493625 Gap
|----------| sd-ir 2493585 yfdY_lpxP+ total 5.5 bits
{----------} p35-(22)-p10 2493557 Gap 2.3 bits
ir yfdY_lpxP+
{----------} sd-(18)-ir 2493588 Gap 6.9 bits
|----------| sd-ir 2493588 yfdY_lpxP+ total 8.0 bits
|----------| p35-p10 2493557 total 6.1 bits
p10 3.6 bits
p35 4.7 bits


p35 5.5 bits
|------------ ... p35-p10 2493625 total 4.4
{----------} p35-(21)-p10 2493585 Gap 3.3 bits
|----------| p35-p10 2493585 total 5.8 bits
*2493610 * *2493620 * *2493630 * *2493640 * *2493650 * *2493660 * *2493670 * *2493680 *
5' a c c g c t g t c g a c a t g g a a t c t t c t g c g a t a c a a c a a t t c g t a t c t a c a g a a g g t a a c t a t g t t t c c a c a a t g c a a a t t 3'
- thr - ala - val - asp - met - glu - ser - ser - ala - ile - gln - gln - phe - val - ser - thr - glu - gly - asn - tyr - val - ser - thr - met - gln - ile -
- pro - leu - ser - thr - trp - asn - leu - leu - arg - tyr - asn - asn - ser - tyr - leu - gln - lys - val - thr - met - phe - pro - gln - cys - lys -
- arg - cys - arg - his - gly - ile - phe - cys - asp - thr - thr - ile - arg - ile - tyr - arg - arg -
p10 1.1 bits
ir yfdY_lpxP+
... {----------} p35-(23)-p10 2493625 Gap 1.4 bits
sd
{----------} sd-(6)-ir 2493667 Gap 4.3 bits
|----------| sd-ir 2493667 yfdY_lpxP+ total 7.0 bits
... |----------| p35-p10 2493625 total 4.4 bits