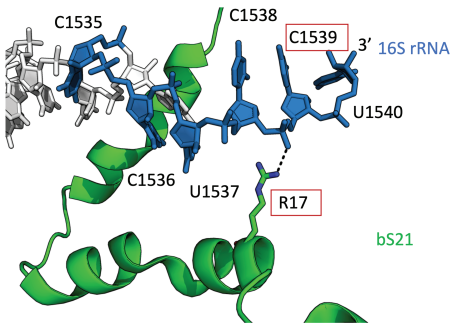
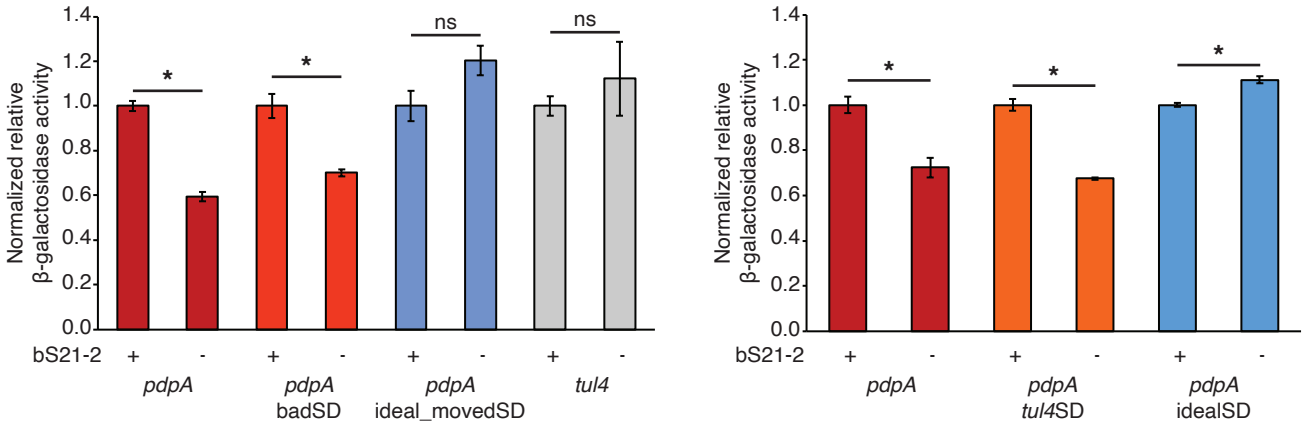
A

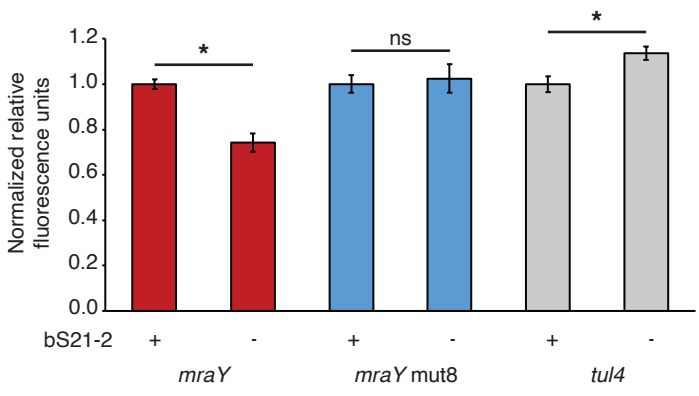


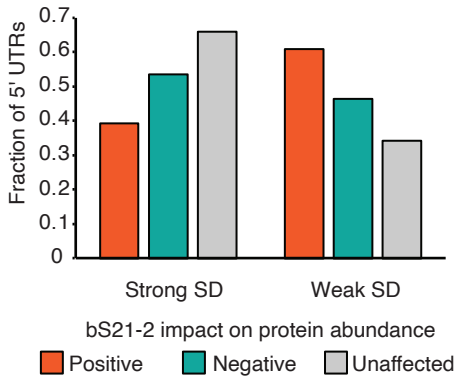
B




```
pdpA                        aguuauguucuaauuaaguagaca aug auagcaguaaaagau
pdpA badSD                  aguuauguucuCCuuCCAUCAaca aug auagcaguaaaagau
pdpA ideal_movedSD          aguuaugAAGGAGGUCCAUCAaca aug auagcaguaaaagau
pdpA tul4SD                 aguuauguucuaAGGAGUAUCaca aug auagcaguaaaagau
pdpA idealSD                aguuauguucuaAGGAGGUCAaca aug auagcaguaaaagau
tul4          gaguauaugugaauauuuaaaaauaggaguaucuau aug aaaaaaauaauuaag
```

C




```
mraY          (75nt)caaggucauuaaacauuuuaaauau aug (15nt)
mraY idealSD  (75nt)caaggucauuaAGGAGGuuaaauau aug (15nt)
tul4          (11nt)aauauuuaaaaauaggaguaucuau aug (15nt)
```

D