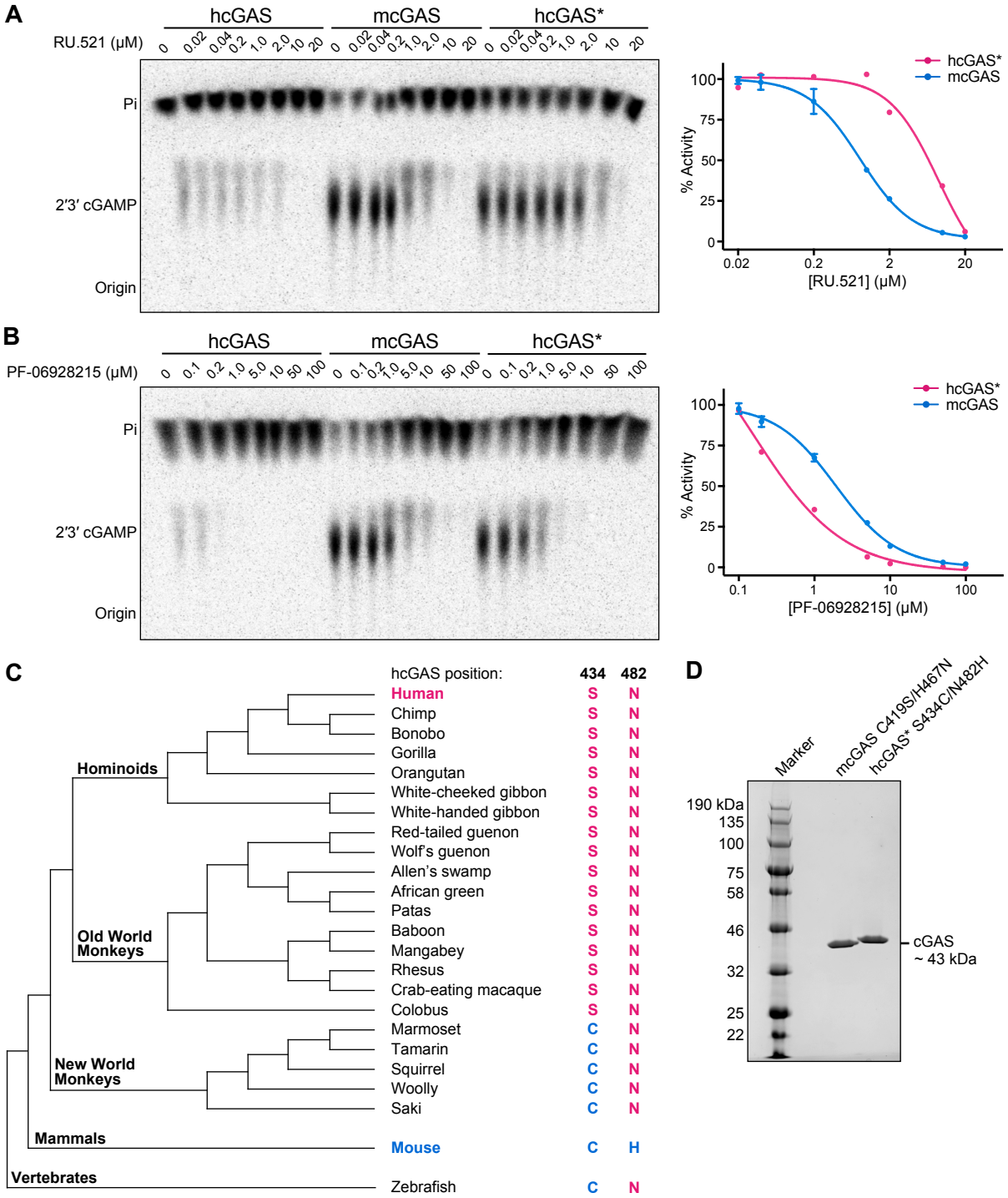
A
hcGAS
mcGAS
hcGAS*
RU.521 (μM)
0 0.02 0.04 0.2 1.0 2.0 10 20
Pi
2′3′ cGAMP
Origin
hcGAS*
mcGAS
% Activity
[RU.521] (μM)
B
PF-06928215 (μM)
0 0.1 0.2 1.0 5.0 10 50 100
[PF-06928215] (μM)
C
hcGAS position:
434
482
Human S N
Chimp S N
Bonobo S N
Gorilla S N
Orangutan S N
White-cheeked gibbon S N
White-handed gibbon S N
Red-tailed guenon S N
Wolf's guenon S N
Allen's swamp S N
African green S N
Patas S N
Baboon S N
Mangabey S N
Rhesus S N
Crab-eating macaque S N
Colobus S N
Marmoset C N
Tamarin C N
Squirrel C N
Woolly C N
Saki C N
Mouse C H
Zebrafish C N
Hominoids
Old World Monkeys
New World Monkeys
Mammals
Vertebrates
D
Marker
mcGAS C419S/H467N
hcGAS* S434C/N482H
190 kDa
135
100
75
58
46
32
25
22
cGAS
~ 43 kDa