

**phe~G280S**

**col Aboisso Ivory Coast**

**Fisher's exact test  $p = 3.636E-04$**

**GLM  $p = 1.378E-04$**

**Ace1GS OR = 35.143 ( 3.654 – 338.000 )**



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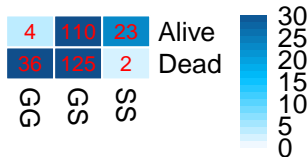
**col Korle-Bu Ghana**

**Fisher's exact test  $p = 3.303E-11$**

**GLM  $p = 2.448E-11$**

**Ace1GS OR = 7.920 ( 2.732 – 22.957 )**

**Ace1SS OR = 103.500 ( 17.533 – 610.960 )**



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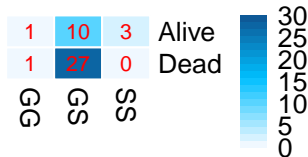
**col Madina Ghana**

**Fisher's exact test  $p = 1.553\text{E}-02$**

**GLM  $p = 2.336\text{E}-02$**

**Ace1GS OR = 0.370 ( 0.021 – 6.501 )**

**ce1SS OR = 42545000.000 ( 0.000 – Inf )**



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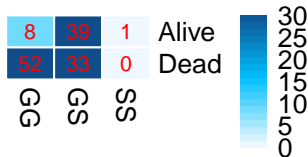
**col Weija Ghana**

**Fisher's exact test  $p = 7.959\text{E-}07$**

**GLM  $p = 1.061\text{E-}06$**

**Ace1GS OR = 7.682 ( 3.196 – 18.463 )**

**ace1SS OR = 37426000.000 ( 0.000 – Inf )**



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**gam Aboisso Ivory Coast**

**Fisher's exact test  $p = 3.949\text{E}-03$**

**GLM  $p = 3.715\text{E}-03$**

**Ace1GS OR = 7.000 ( 0.574 – 85.381 )**

**ce1SS OR = 66.000 ( 2.921 – 1491.200 )**



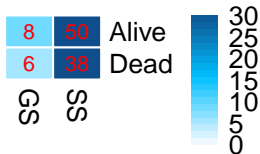
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**gam Baguida Togo**

**Fisher's exact test  $p = 1.000\text{E}+00$**

**GLM  $p = 9.818\text{E}-01$**

**Ace1SS OR = 0.987 ( 0.316 – 3.084 )**



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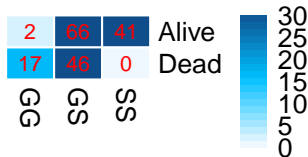
**gam Madina Ghana**

**Fisher's exact test  $p = 1.378E-13$**

**GLM  $p = 4.358E-14$**

**Ace1GS OR = 12.196 ( 2.687 – 55.358 )**

**ce1SS OR = 983010000.000 ( 0.000 – Inf )**



**phe~G280S**

**gam Obuasi Ghana**

**Fisher's exact test  $p = 1.042\text{E}-04$**

**GLM  $p = 6.002\text{E}-05$**

**Ace1SS OR = 6.600 ( 2.338 – 18.632 )**





phe~G280S

gam Weija Ghana

Fisher's exact test  $p = 4.662\text{E-}03$

GLM  $p = 1.641\text{E-}03$

e1GS OR = 2563600000.000 ( 0.000 – Inf )

S OR = 7302300000000000000.000 ( 0.000 – Inf )



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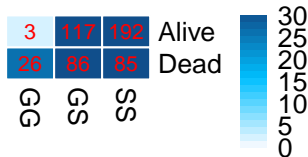
**gam**

**Fisher's exact test  $p = 8.942\text{E-}10$**

**GLM  $p = 8.038\text{E-}10$**

**Ace1GS OR = 11.791 ( 3.457 – 40.219 )**

**Ace1SS OR = 19.576 ( 5.768 – 66.442 )**



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**col**

**Fisher's exact test  $p = 1.095E-24$**

**GLM  $p = 1.238E-24$**

**Ace1GS OR = 7.734 ( 4.363 – 13.712 )**

**Ace1SS OR = 121.500 ( 26.252 – 562.330 )**

