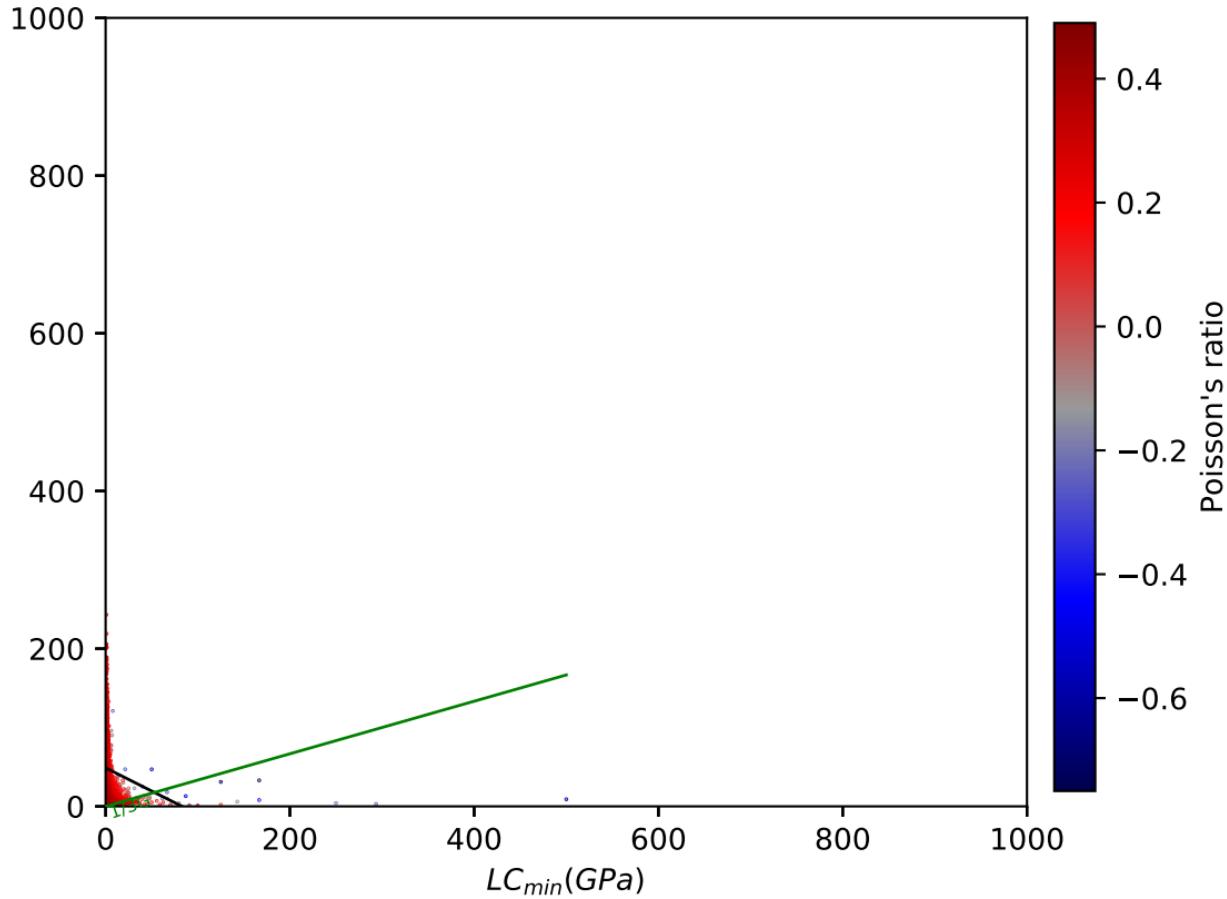
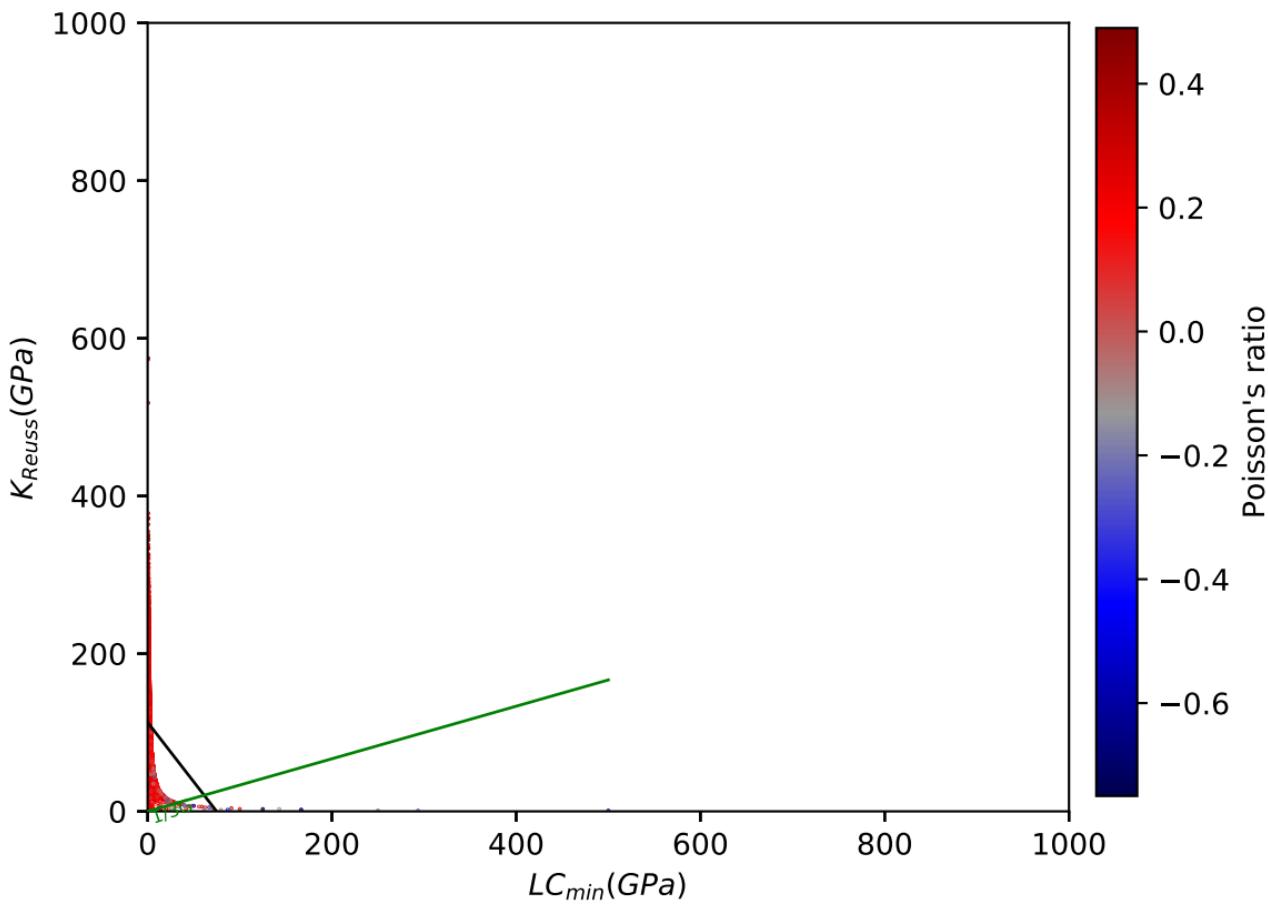
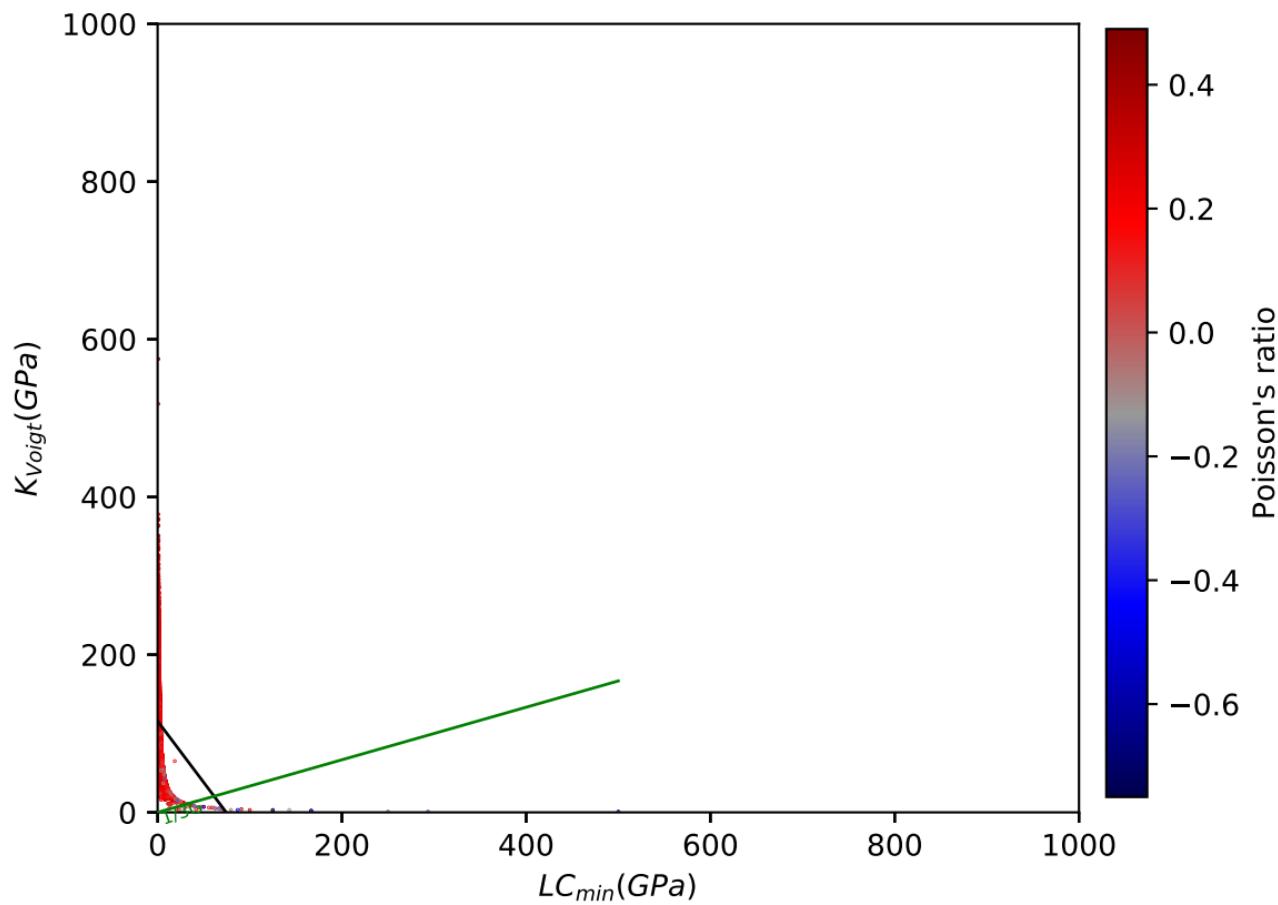


$G_{Voigt\text{--}Reuss\text{--}Hill}(GPa)$







$K_{\text{voigt Reuss Hill}}(\text{GPa})$

1000

800

600

400

200

0

200

400

600

800

1000

$LC_{\min}(\text{GPa})$

Poisson's ratio

0.4

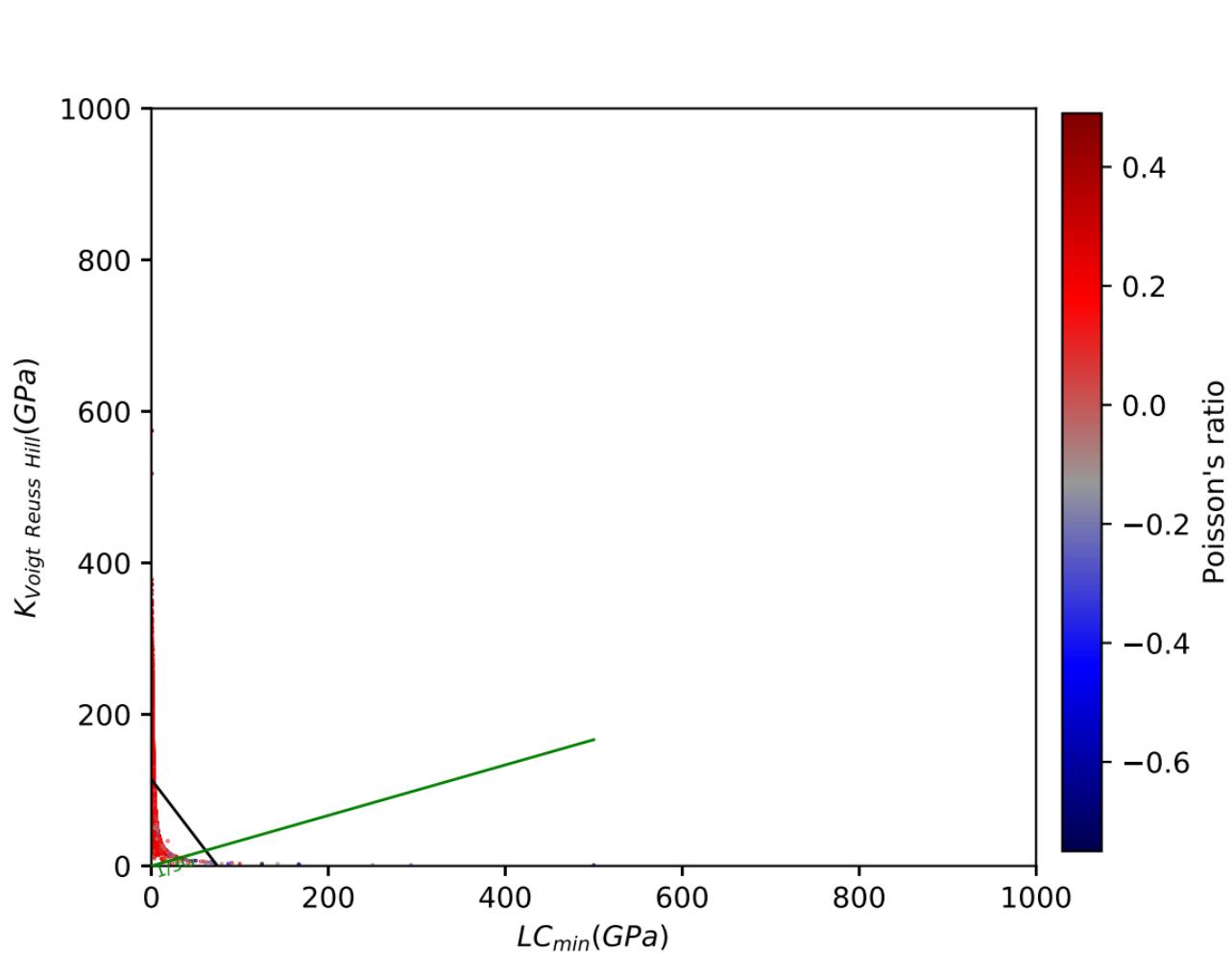
0.2

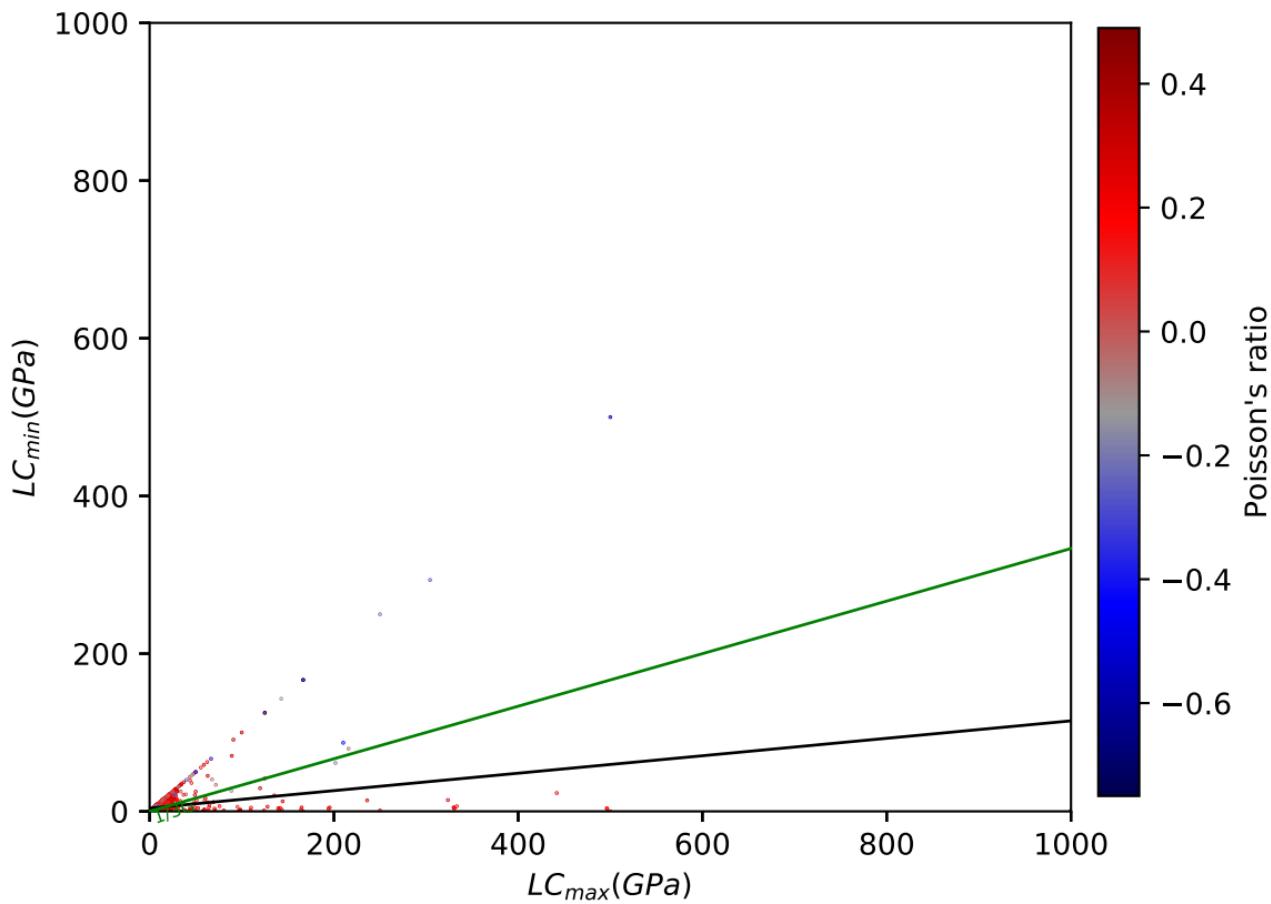
0.0

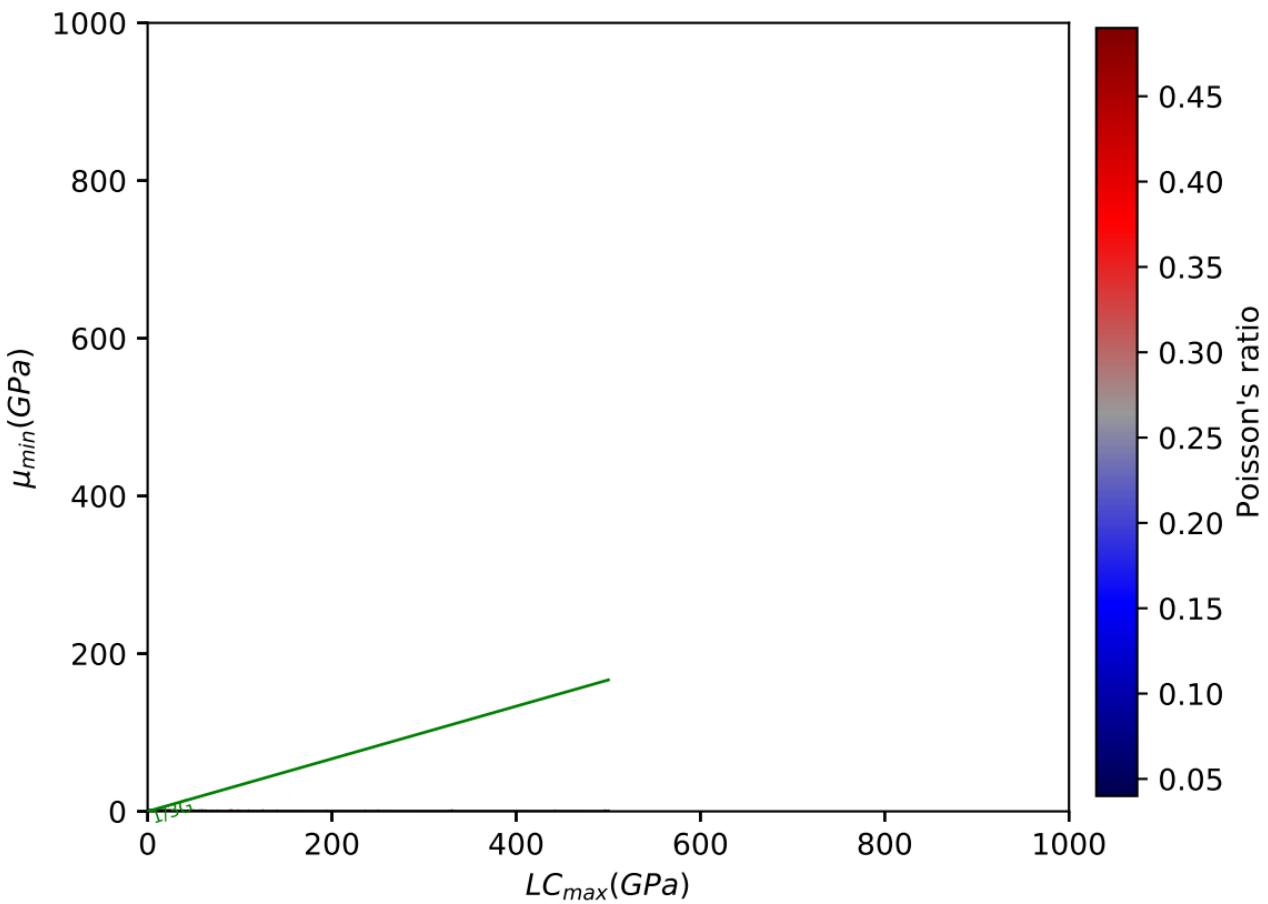
-0.2

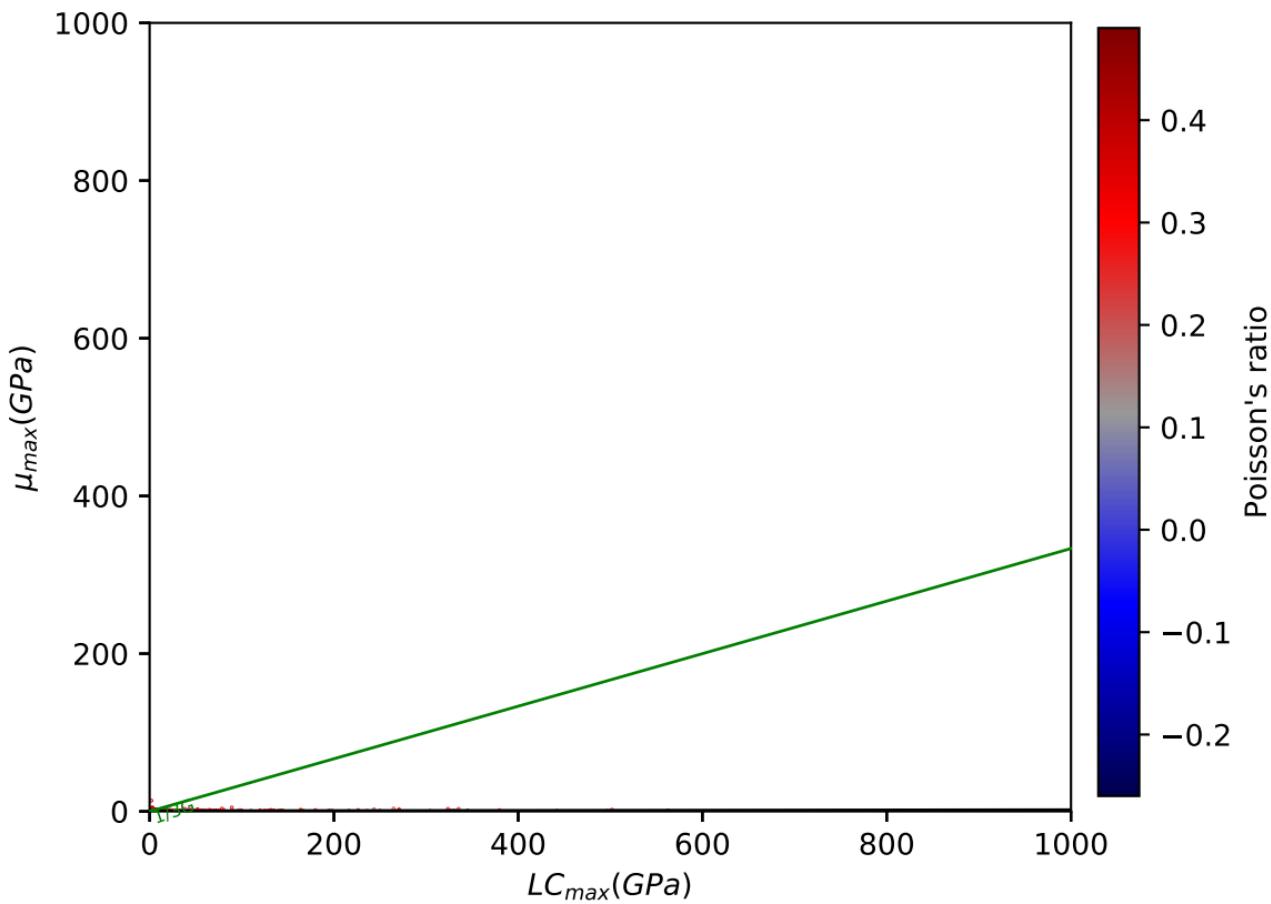
-0.4

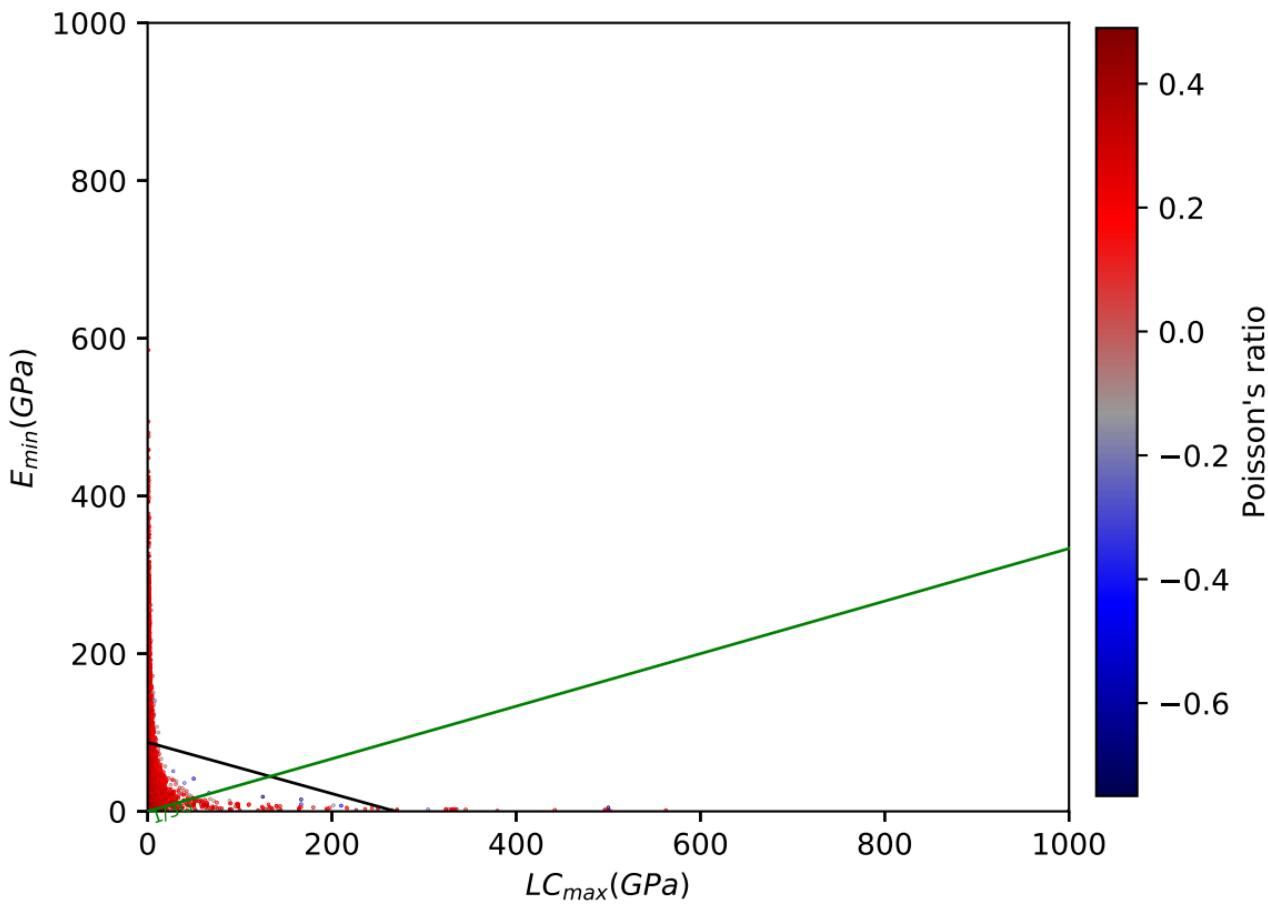
-0.6

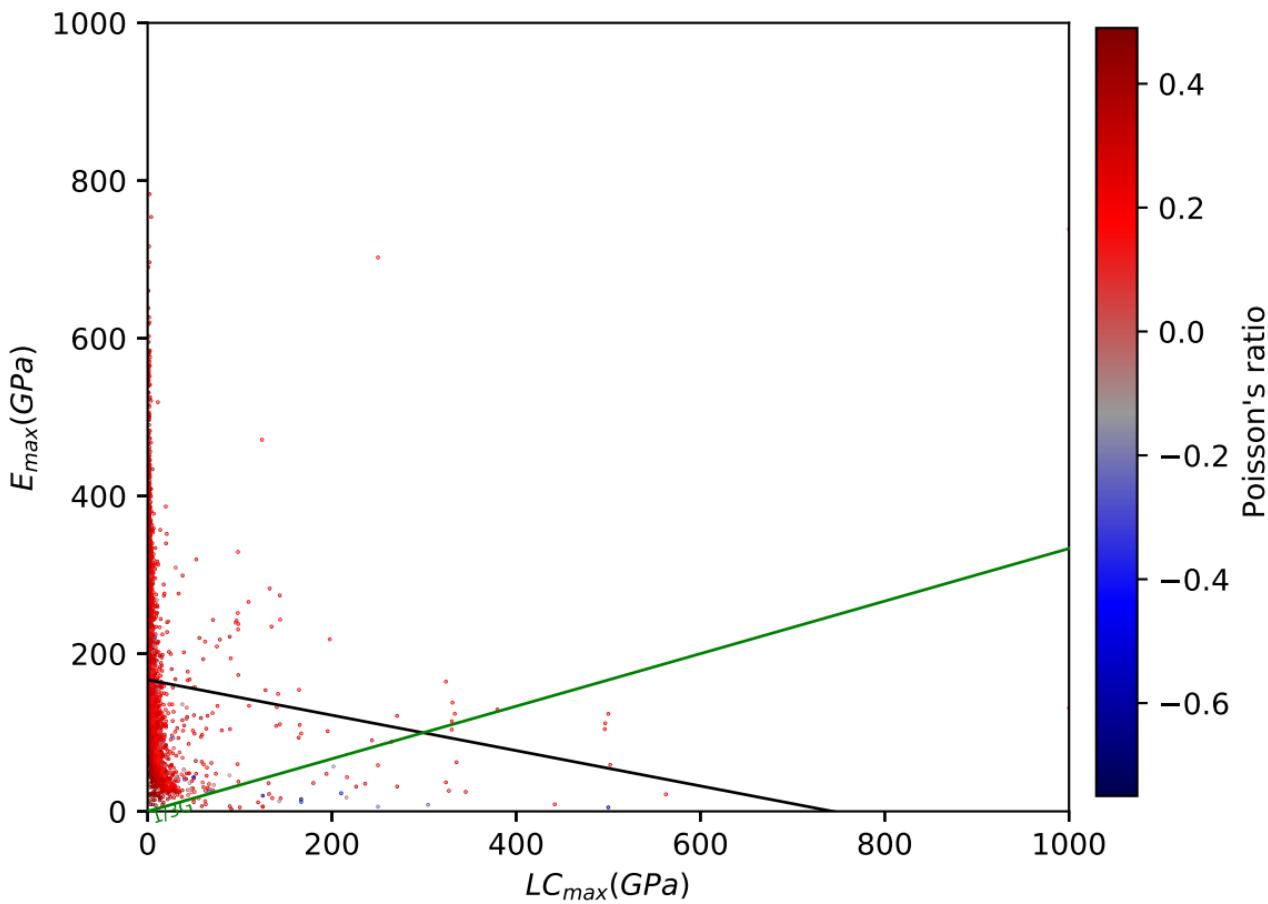


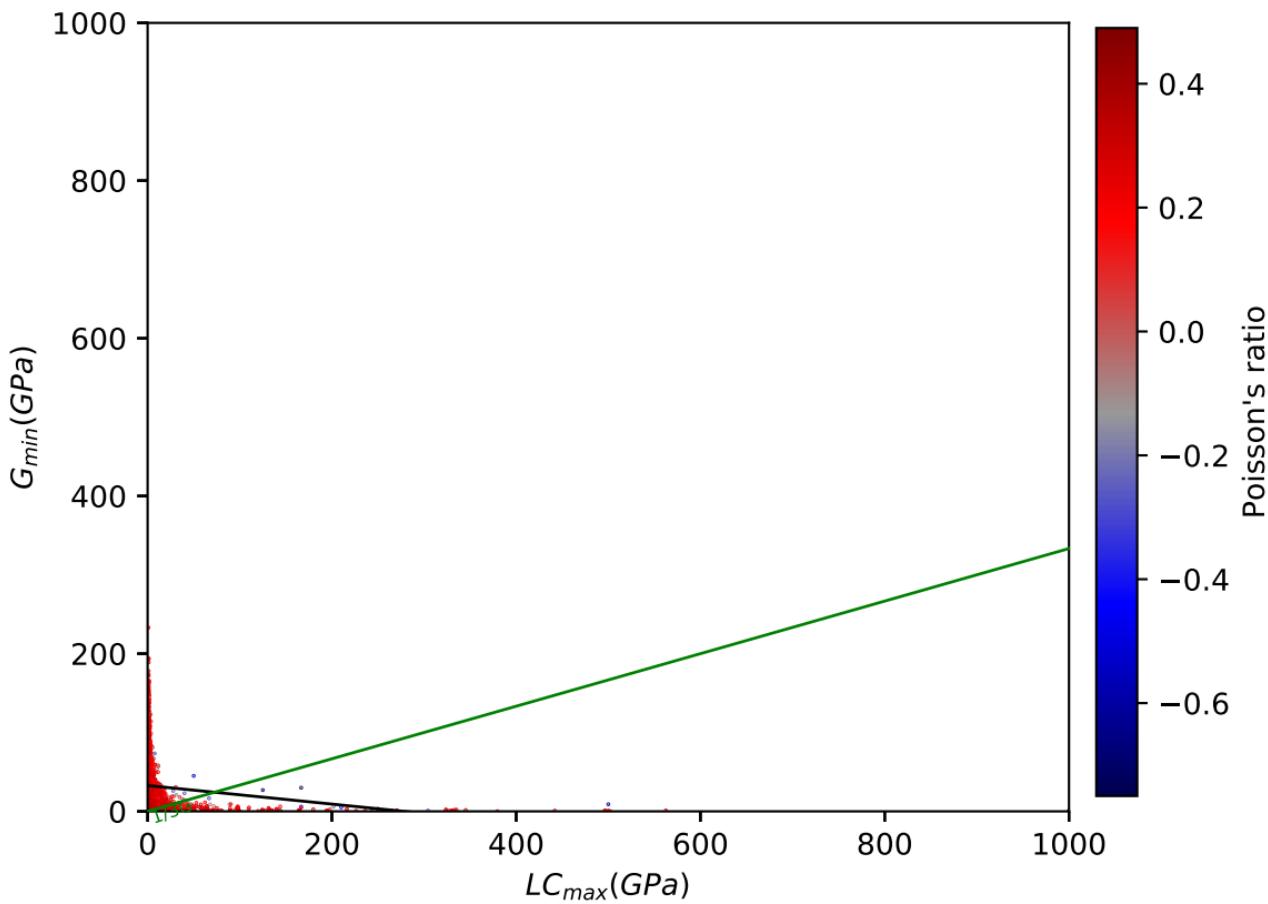


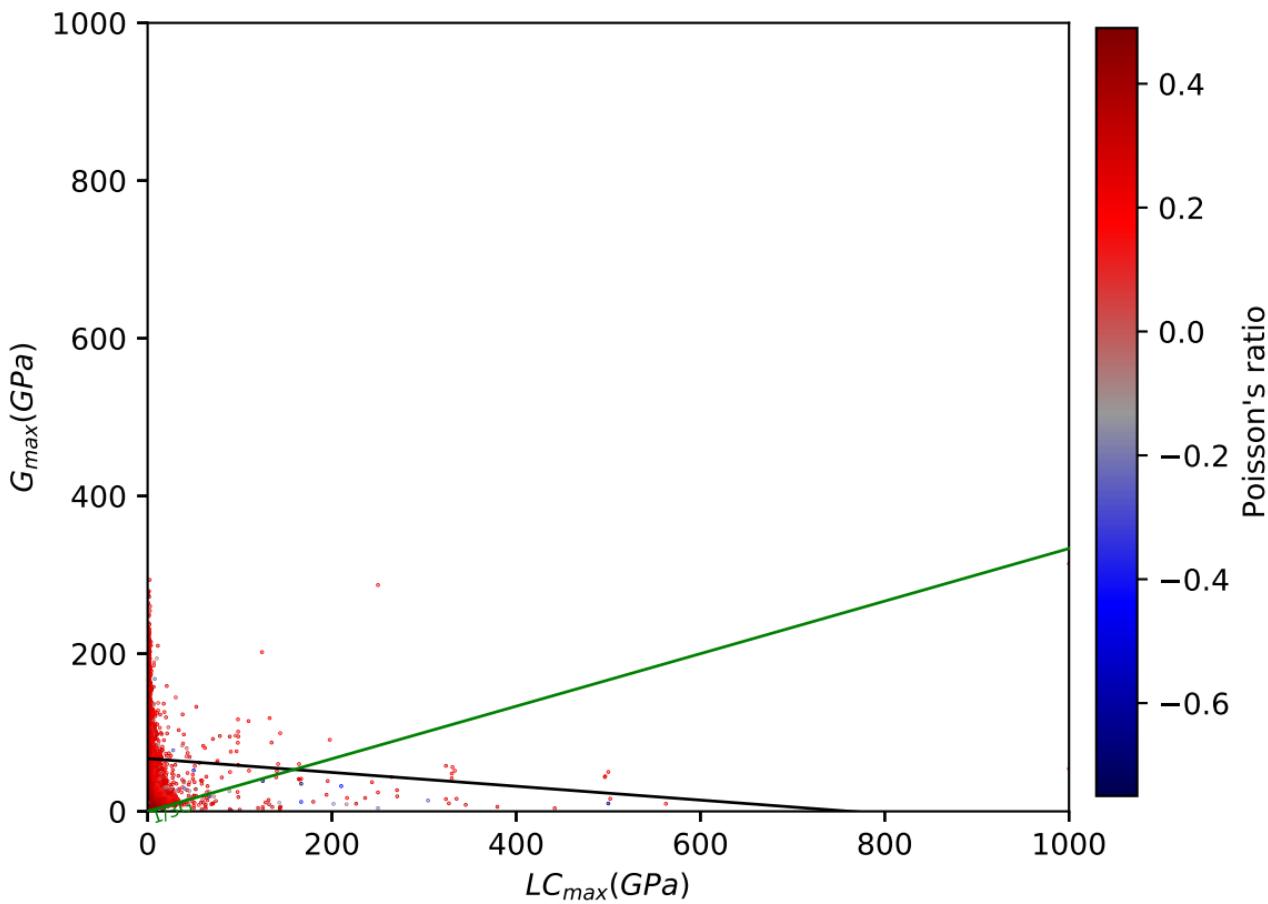


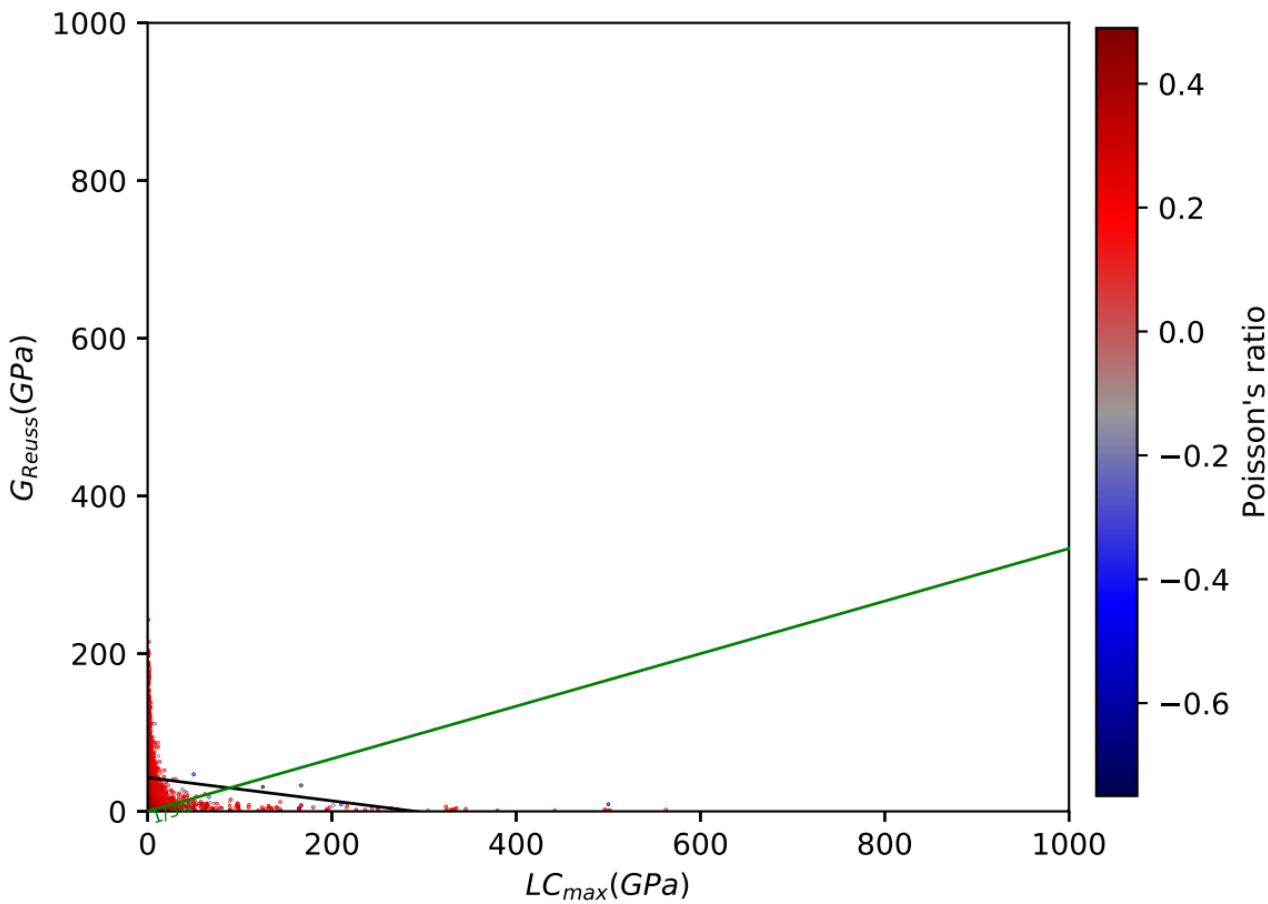


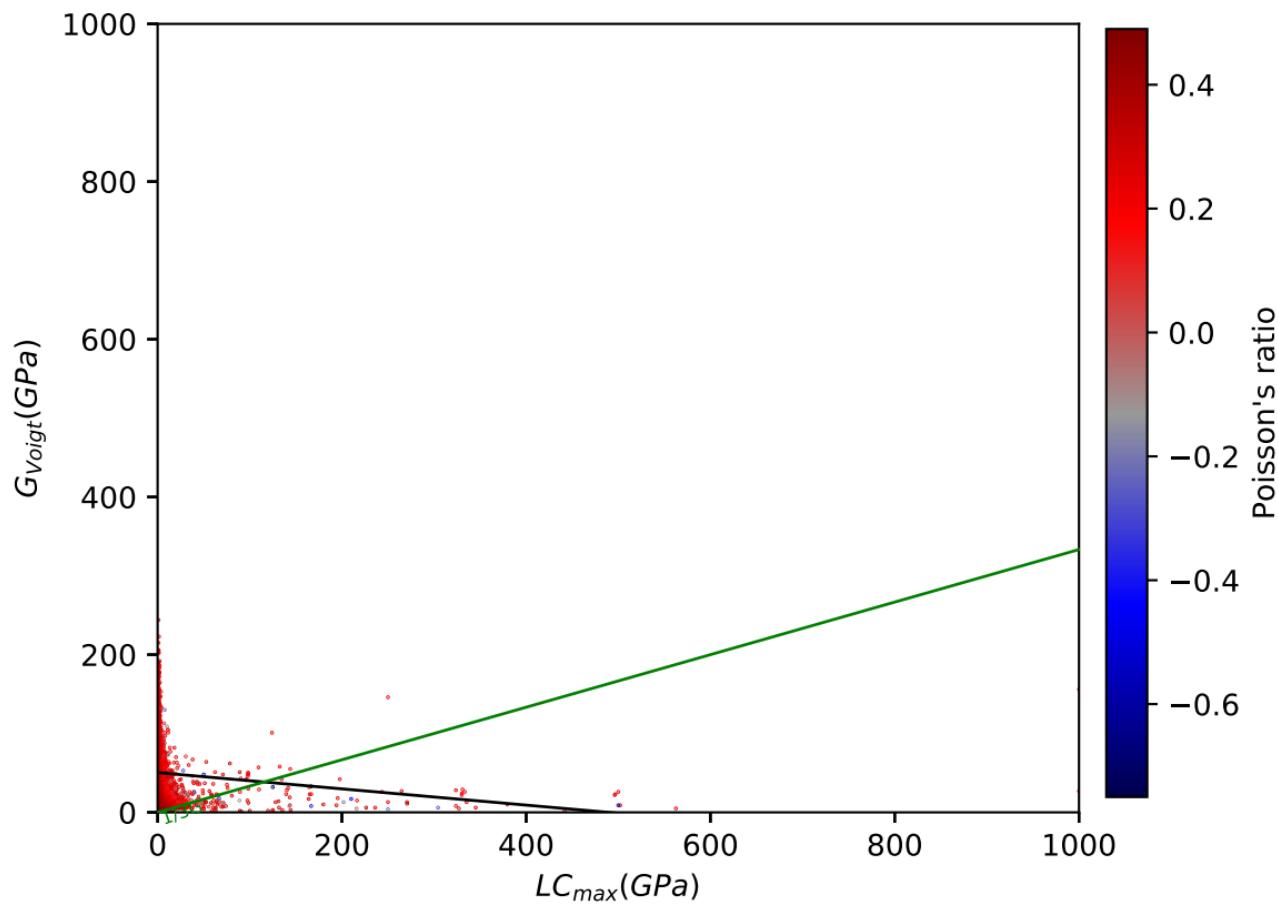




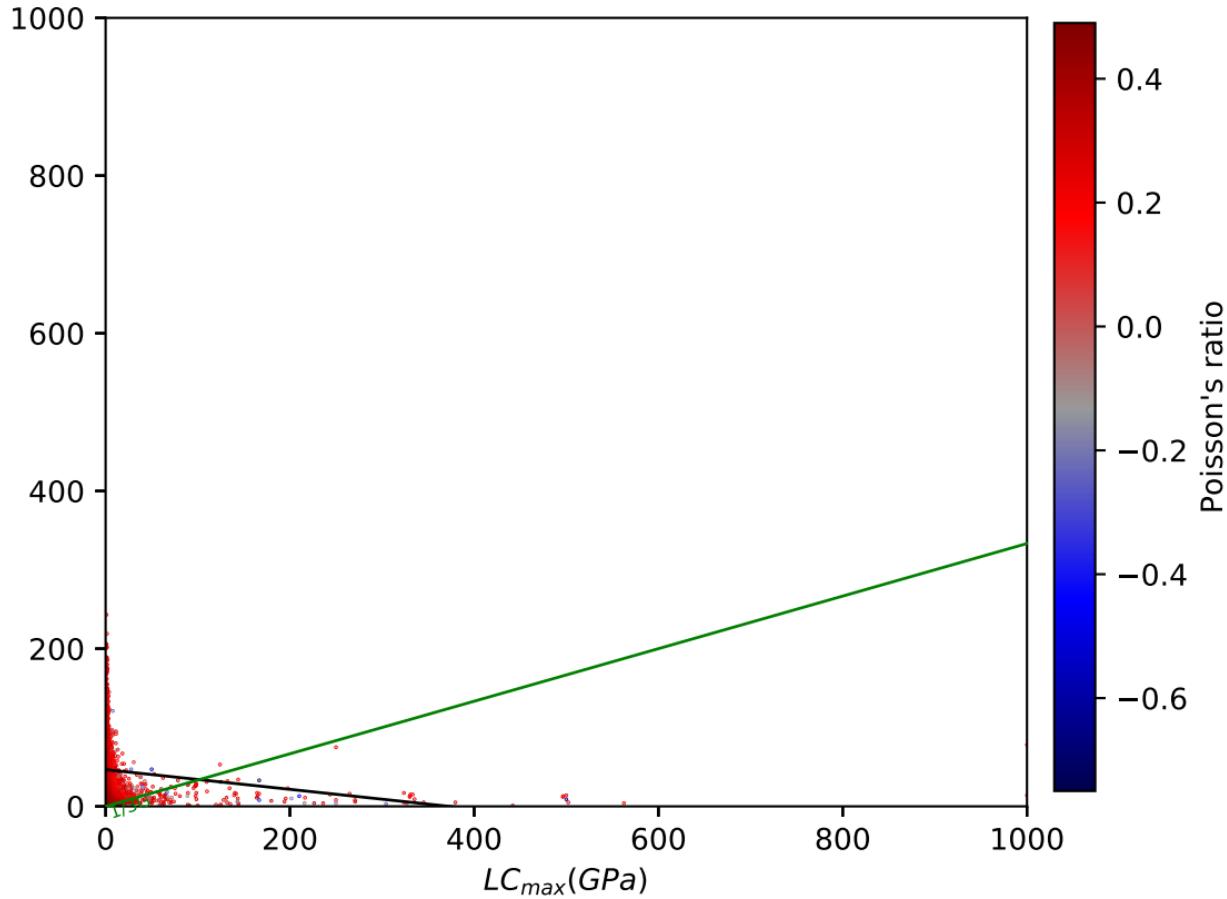


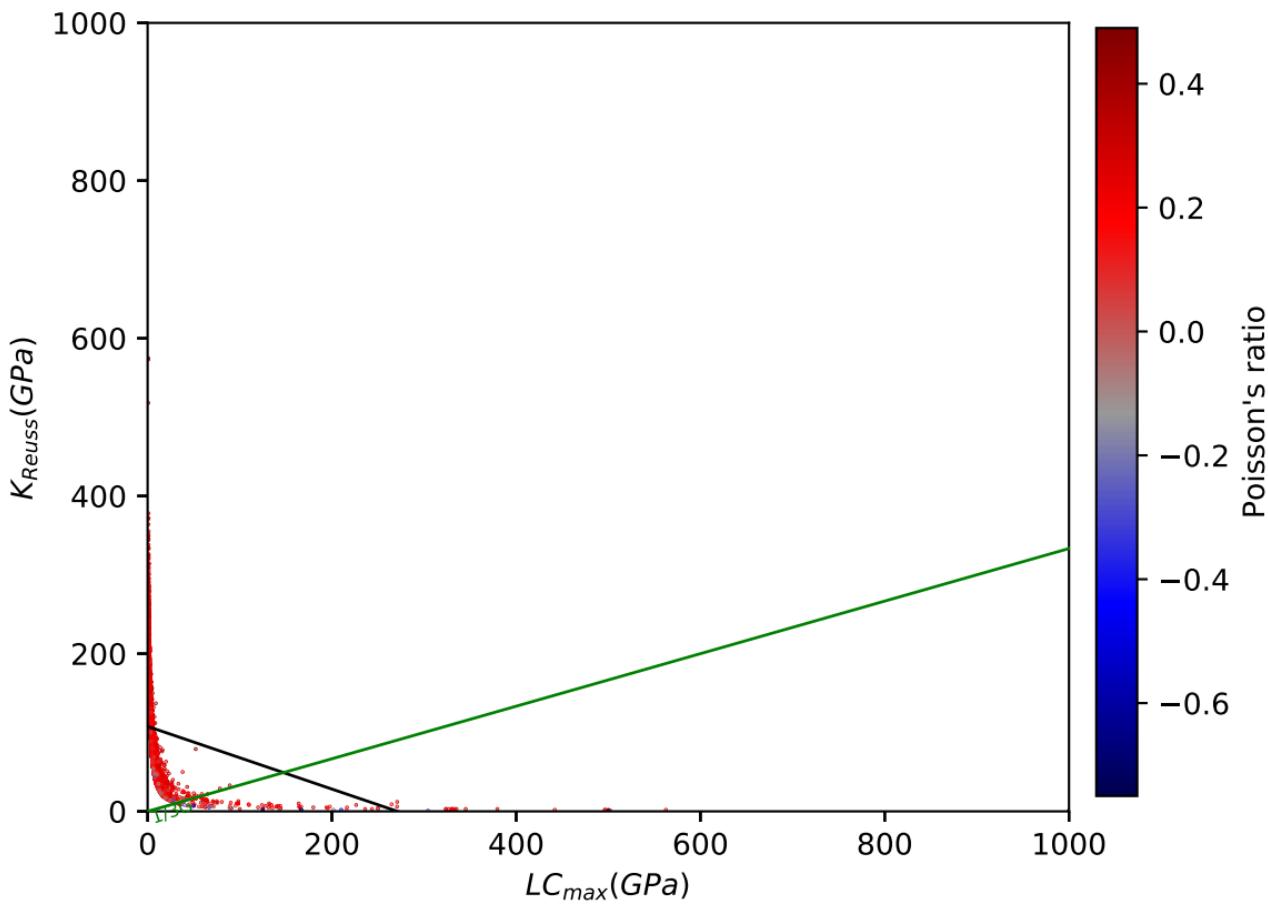


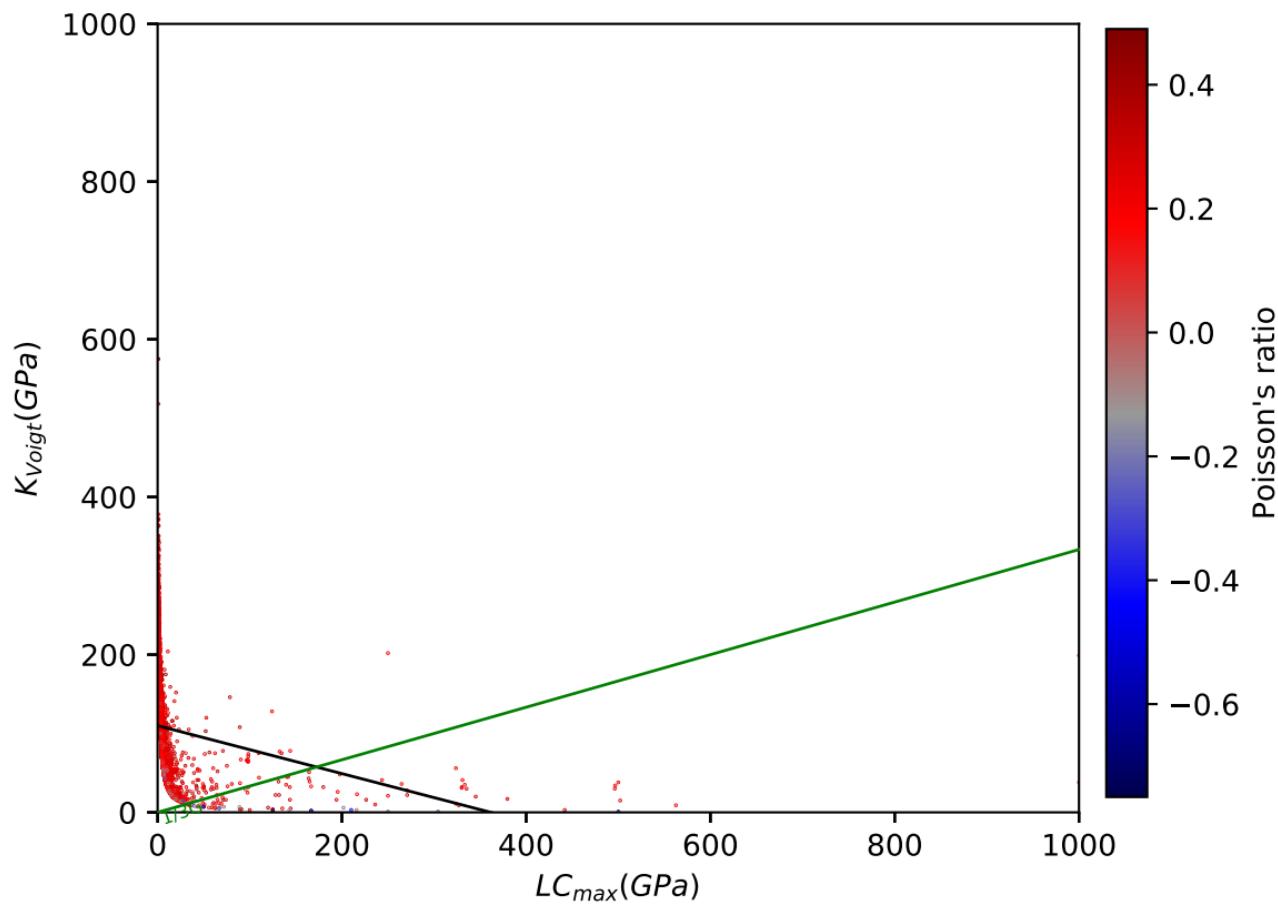


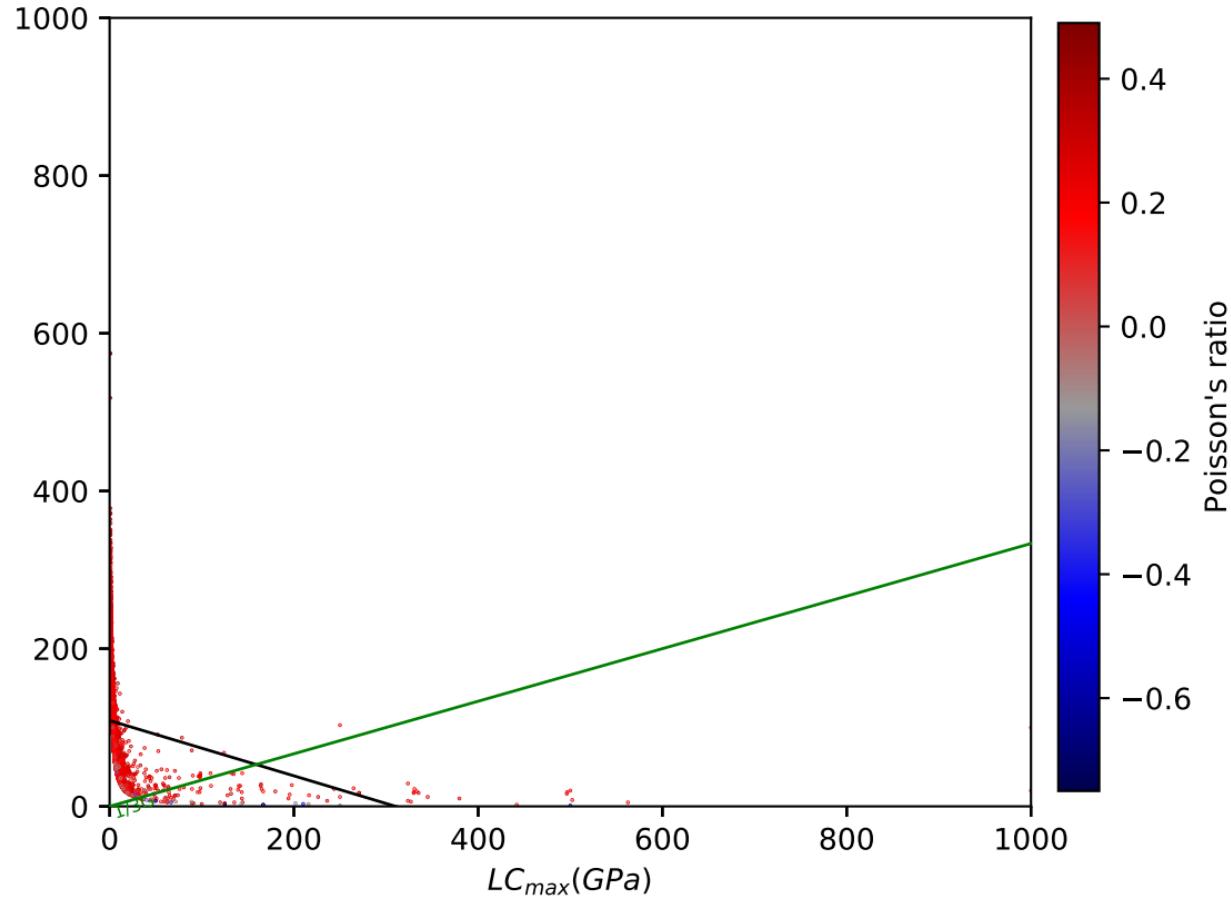


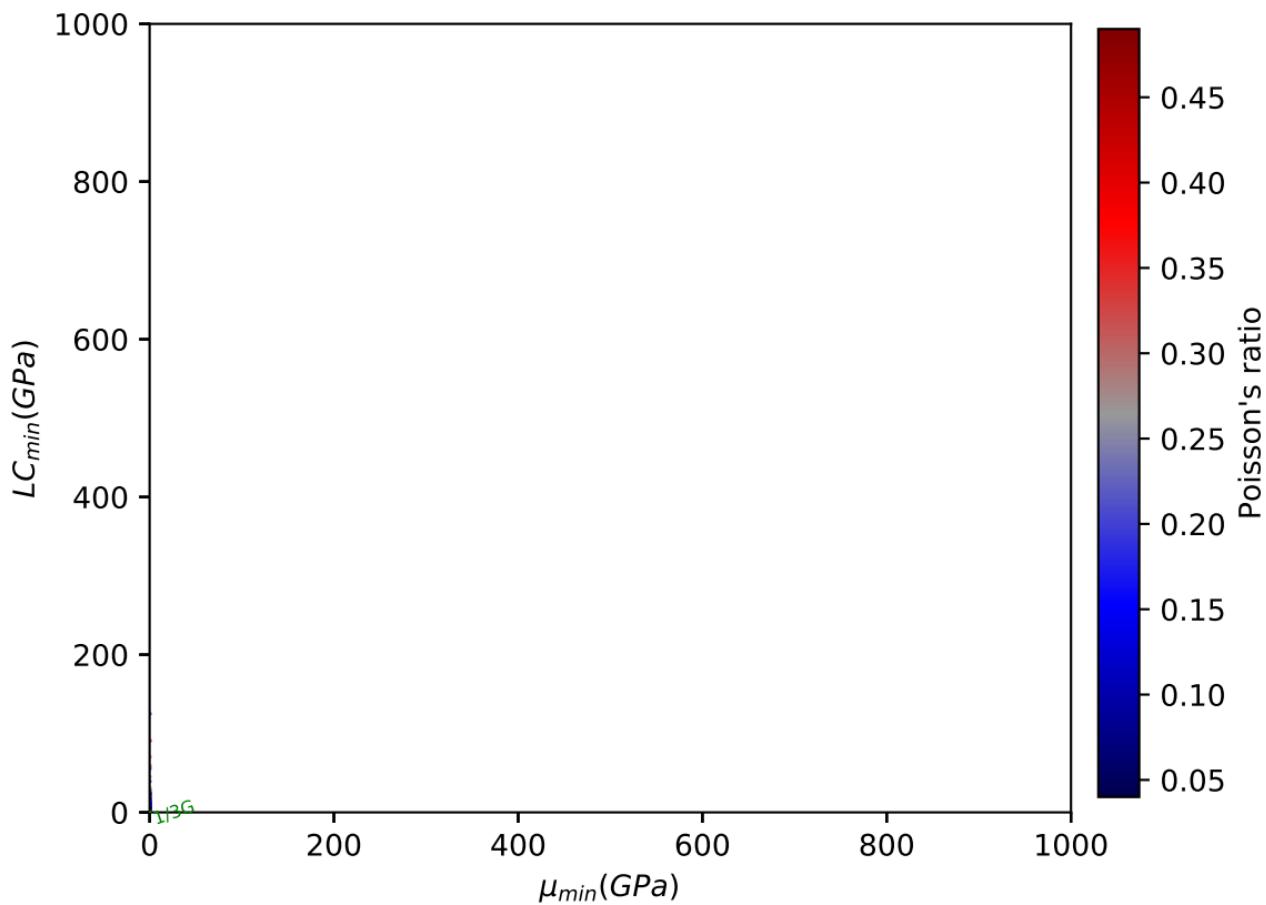
$G_{Voigt\ Reuss\ Hill}(GPa)$

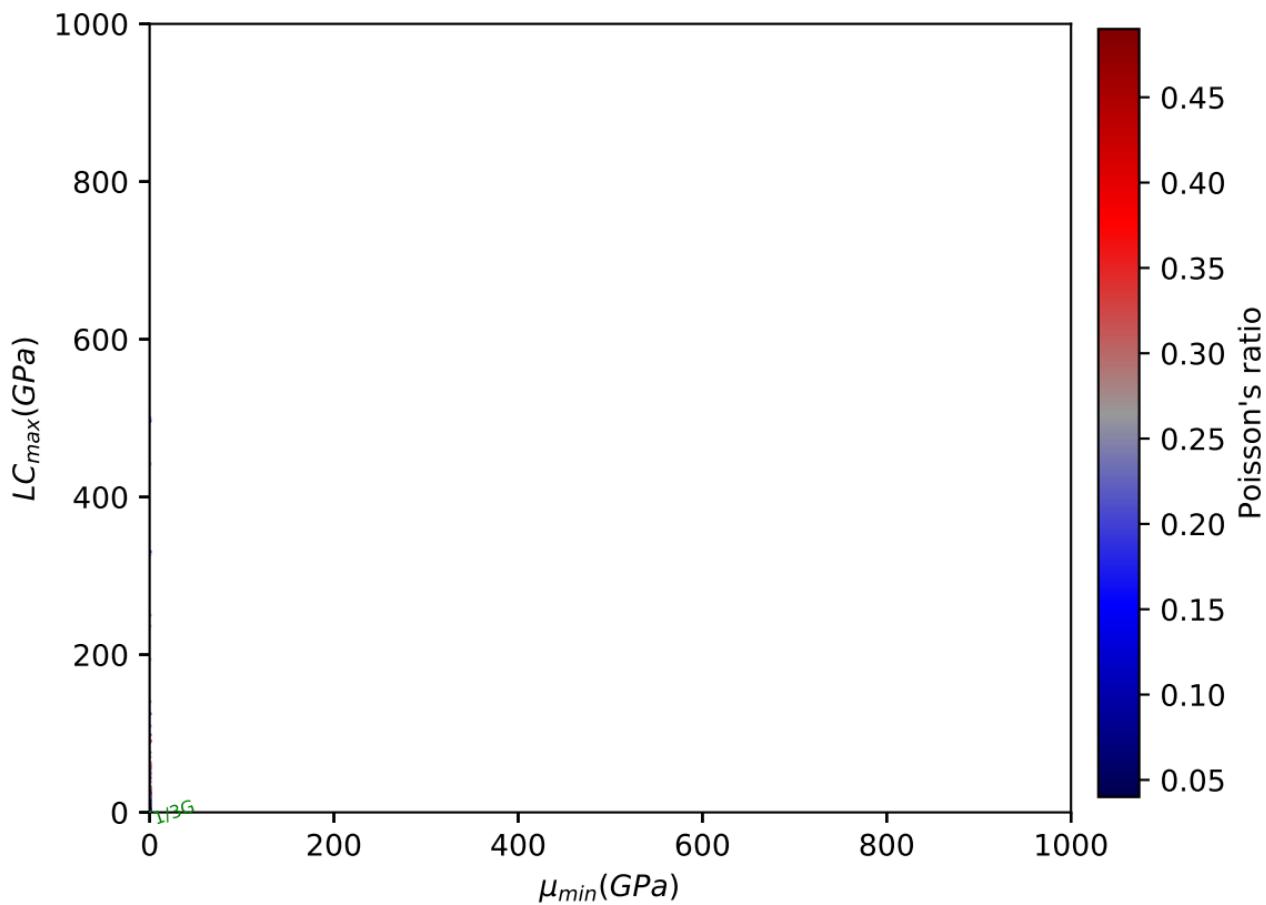


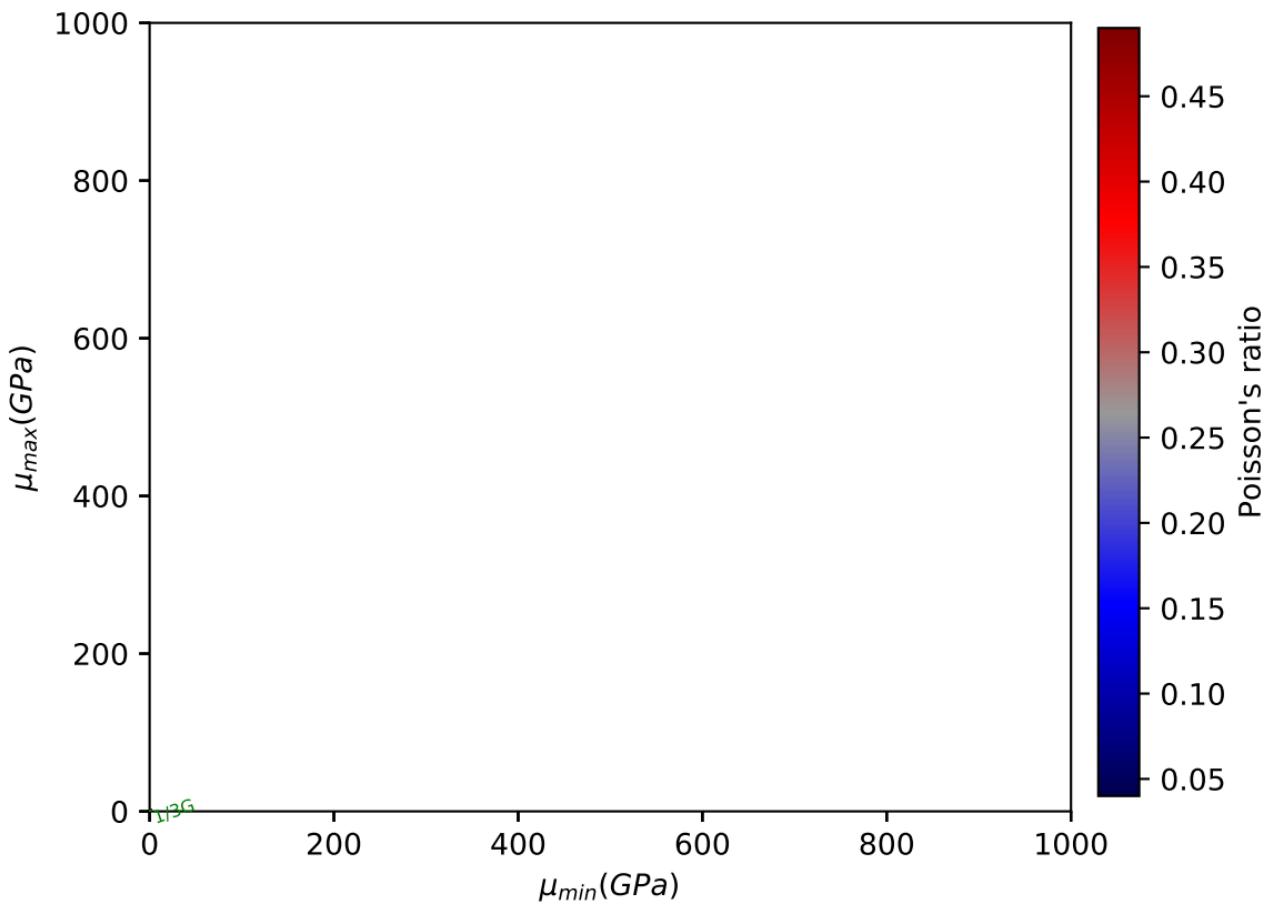


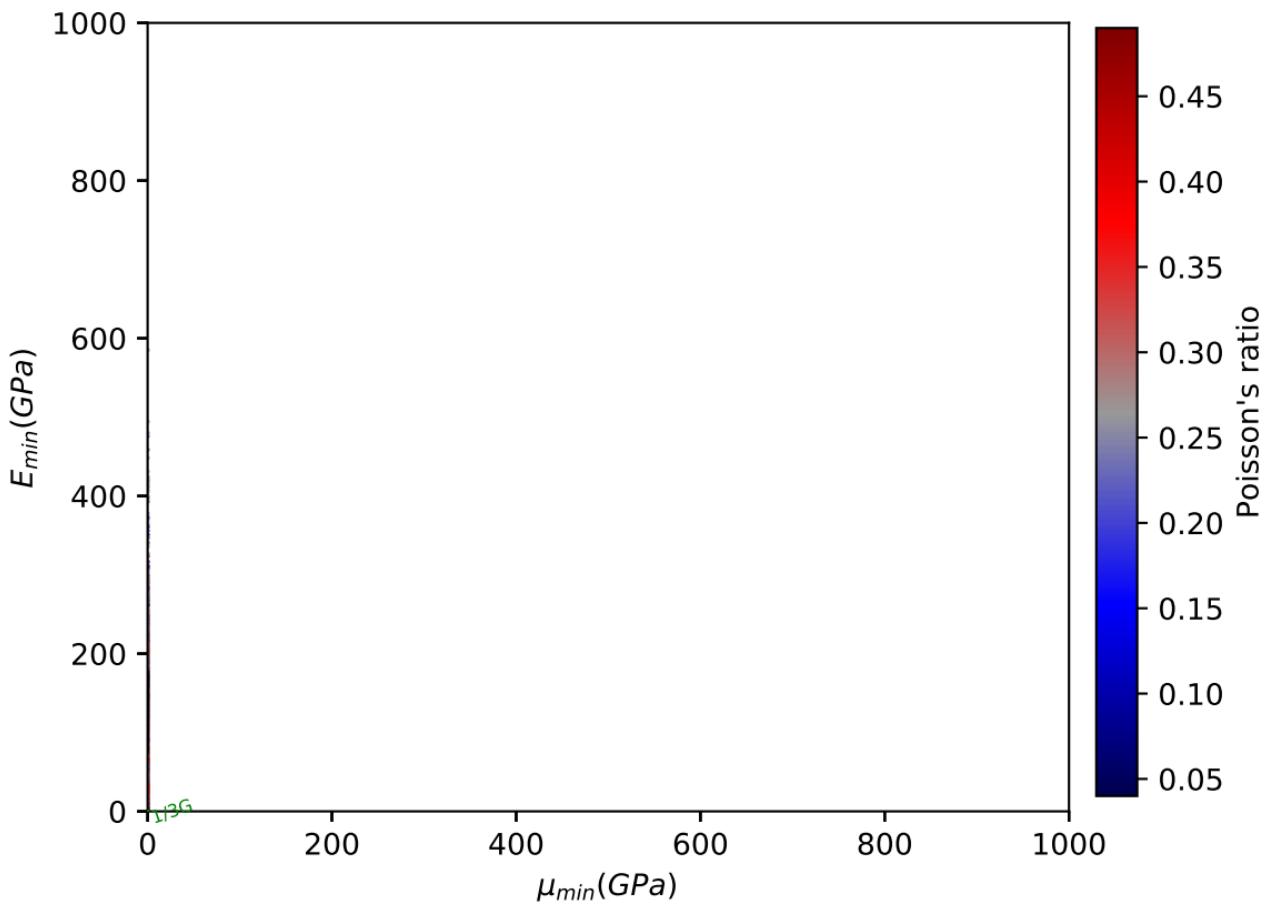


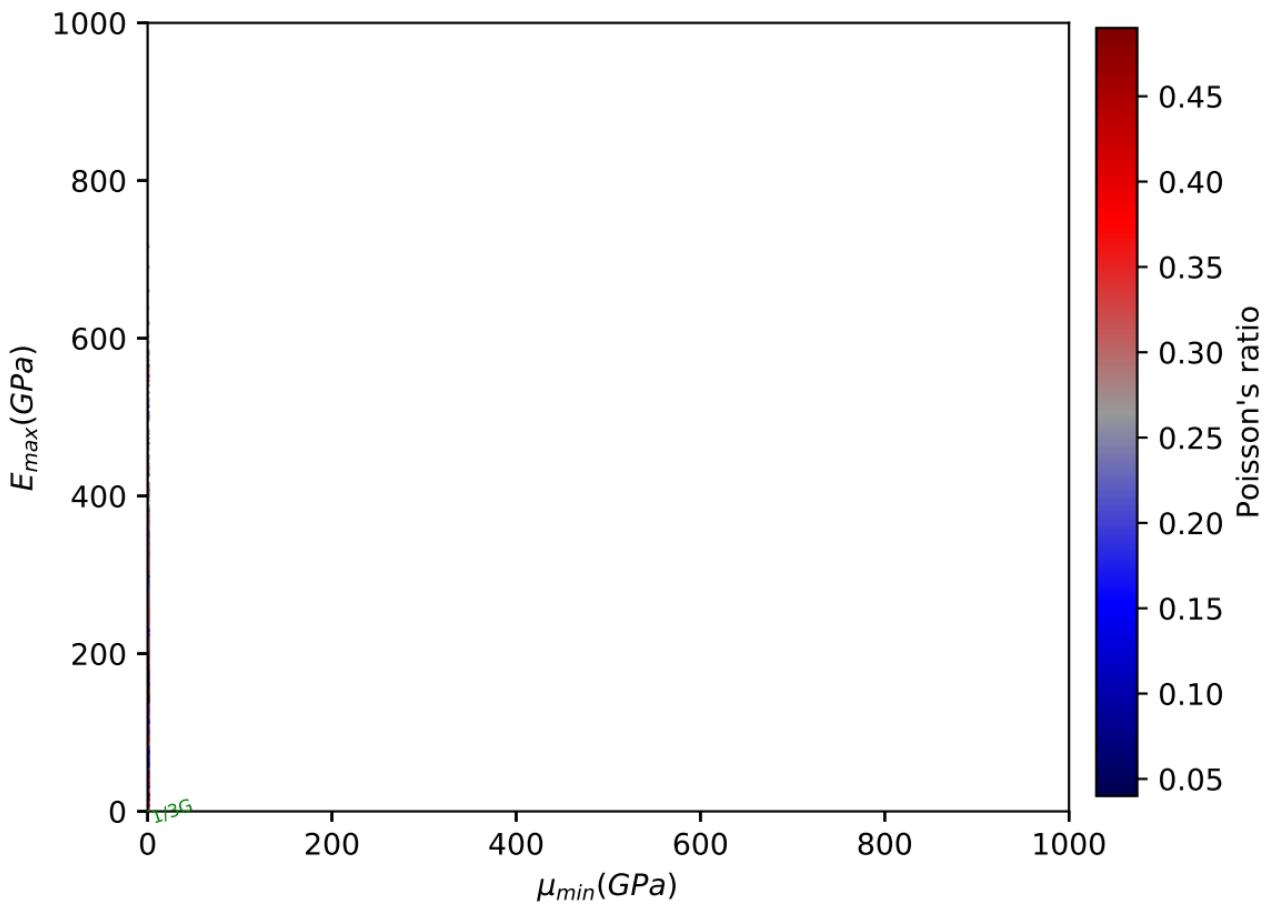
$K_{\text{Voigt Reuss Hill}}(\text{GPa})$ 

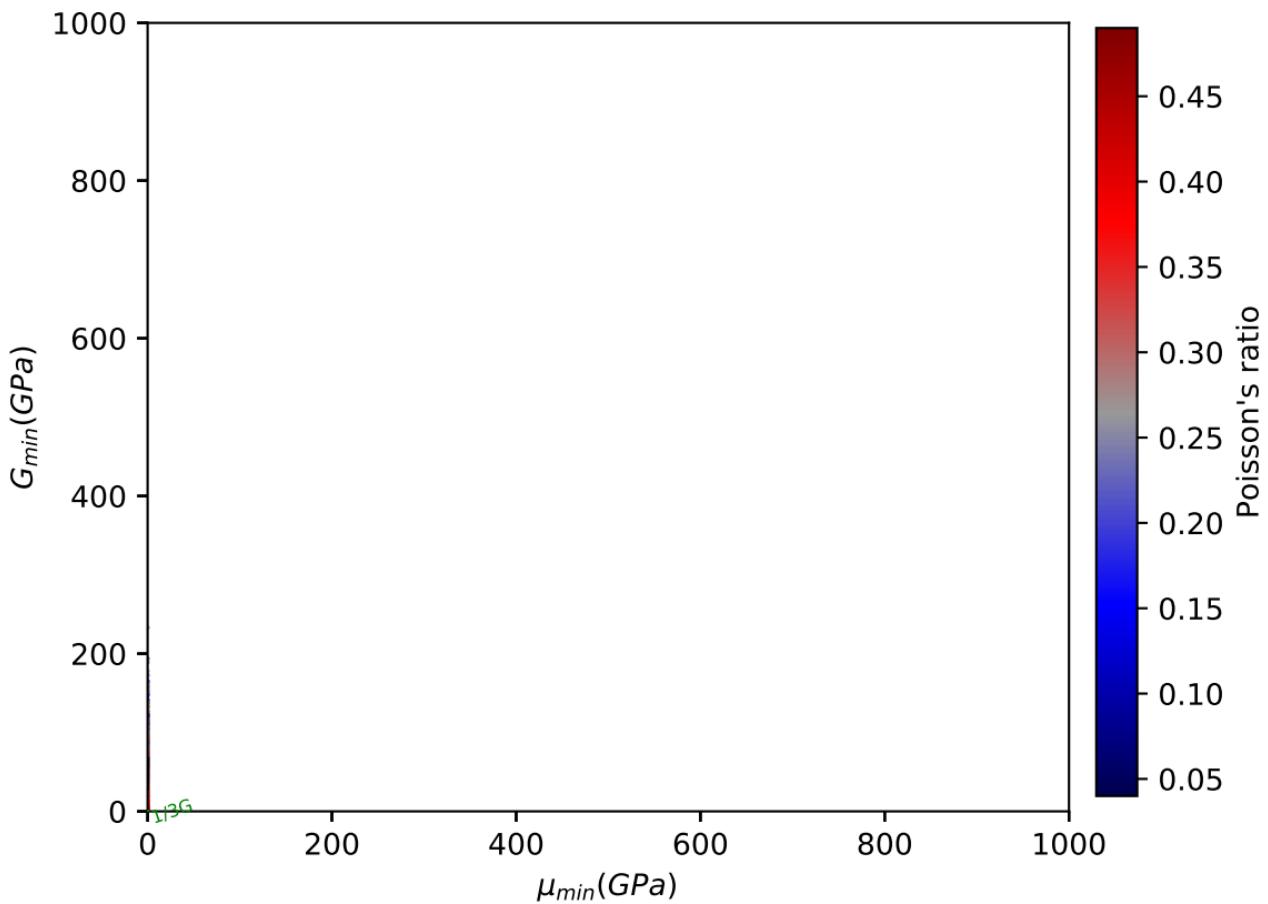


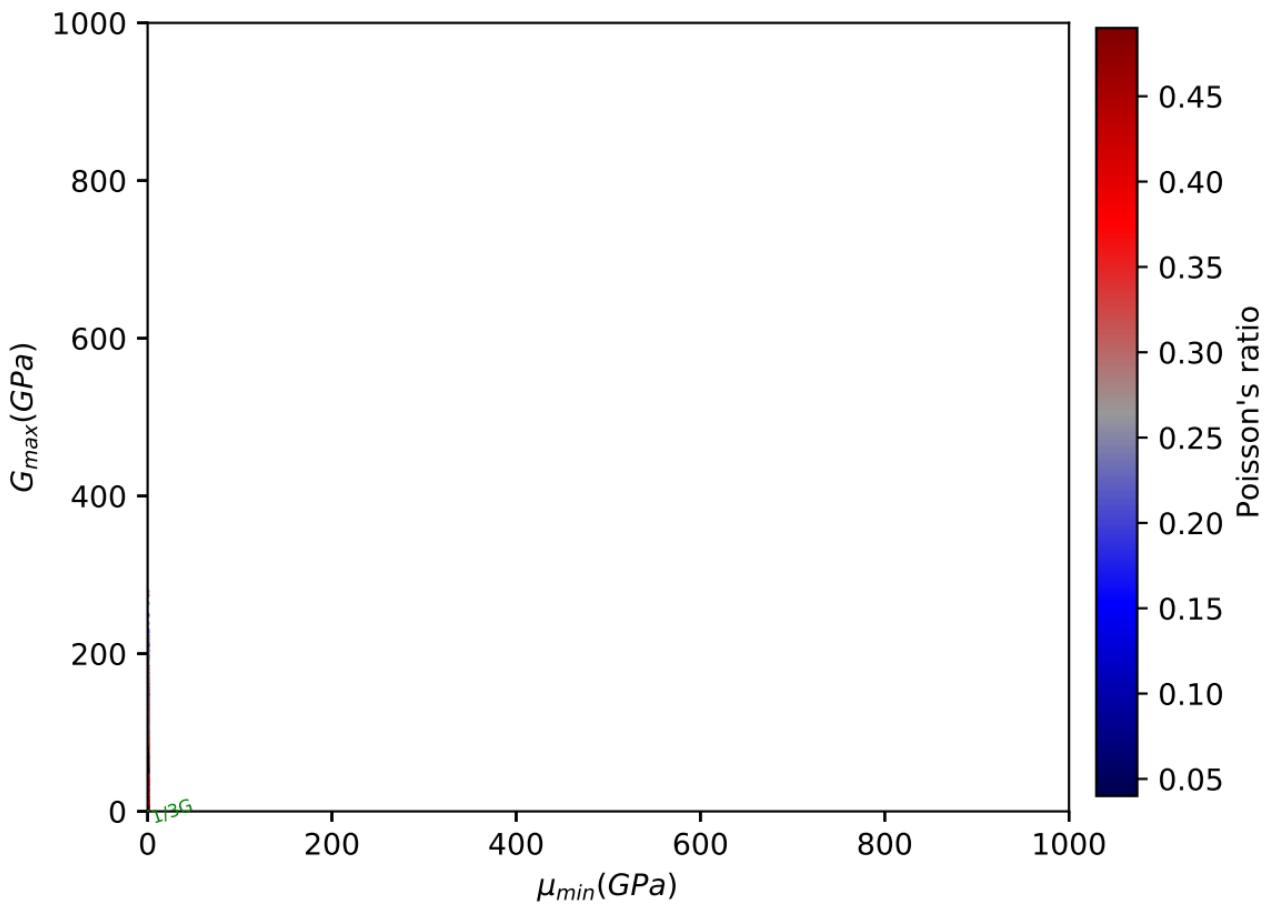


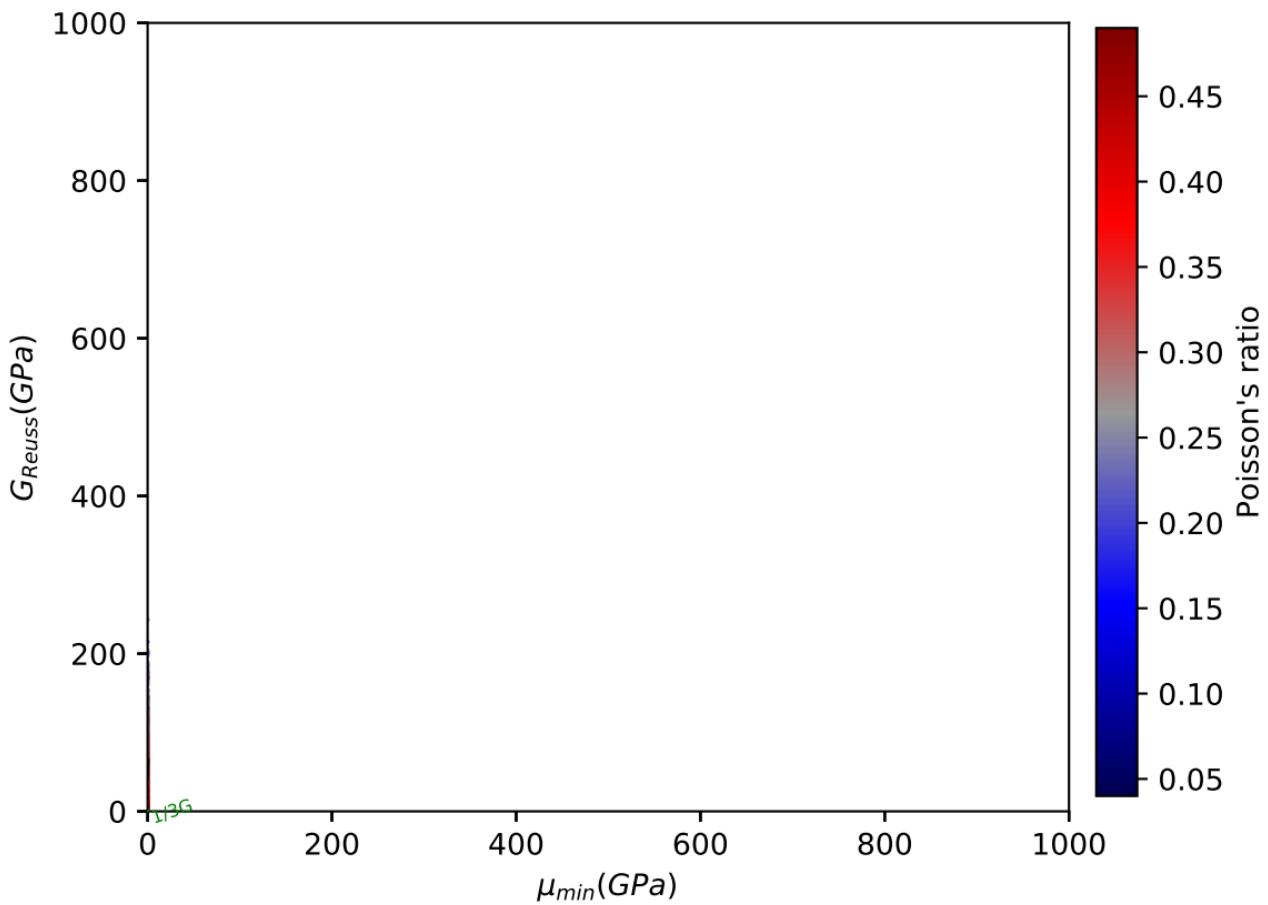












$G_{Vogt}(GPa)$

1000

800

600

400

200

0

200

400

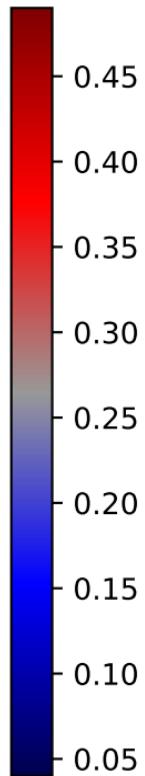
600

800

1000

 $\mu_{min}(GPa)$

Poisson's ratio



$G_{Voigt\ Reuss\ Hill}(GPa)$

1000

800

600

400

200

0

200

400

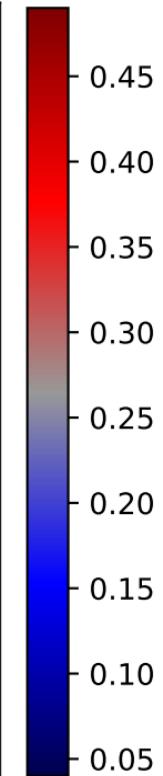
600

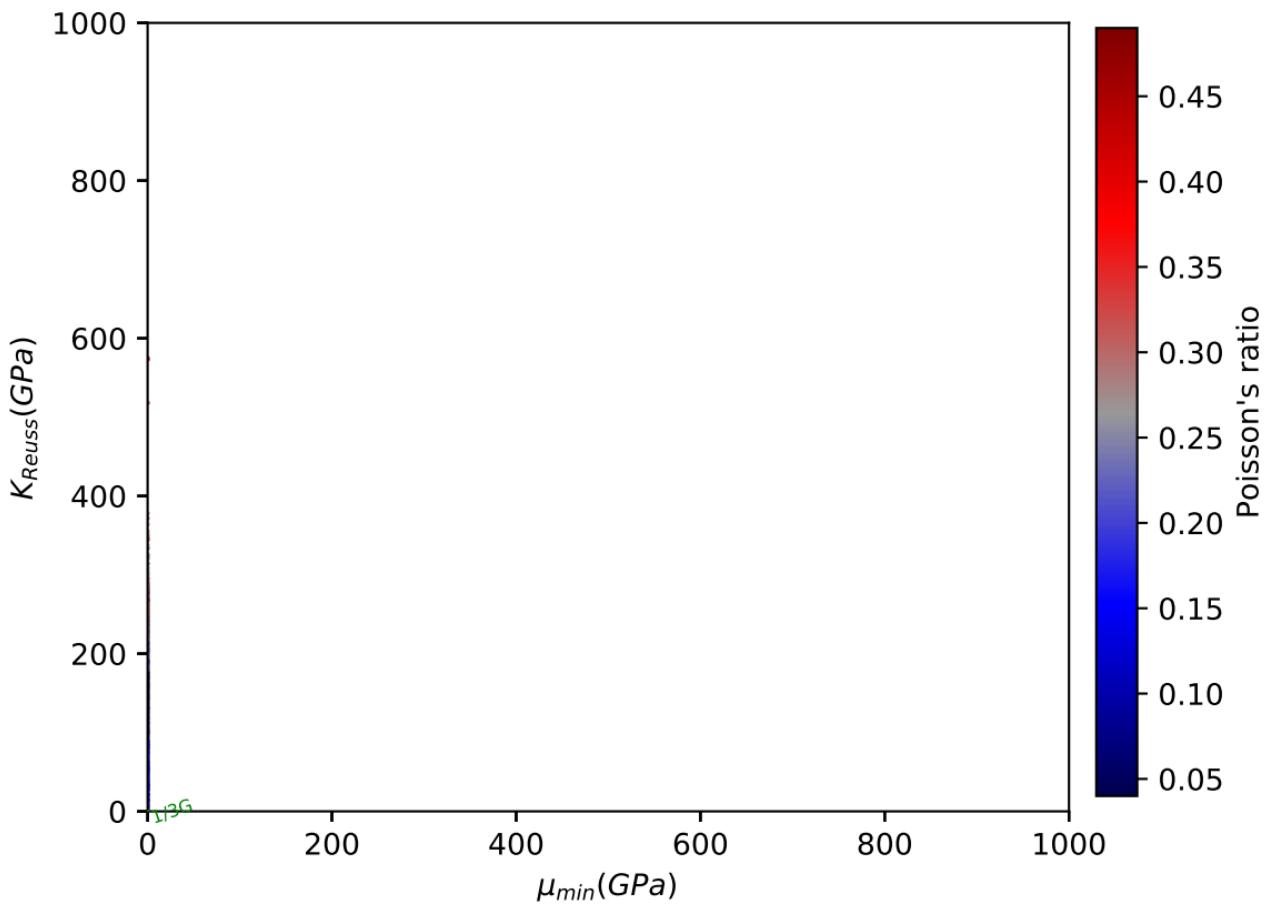
800

1000

$\mu_{min}(GPa)$

Poisson's ratio





$K_{Voigt}(GPa)$

1000

800

600

400

200

0

200

400

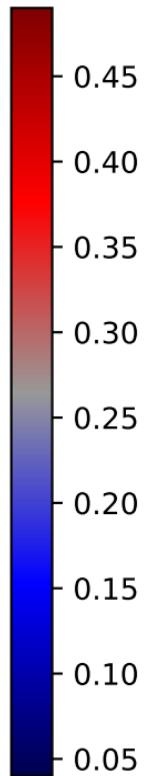
600

800

1000

 $\mu_{min}(GPa)$

Poisson's ratio



$K_{\text{voigt Reuss Hill}}(\text{GPa})$

1000

800

600

400

200

0

0

200

400

600

800

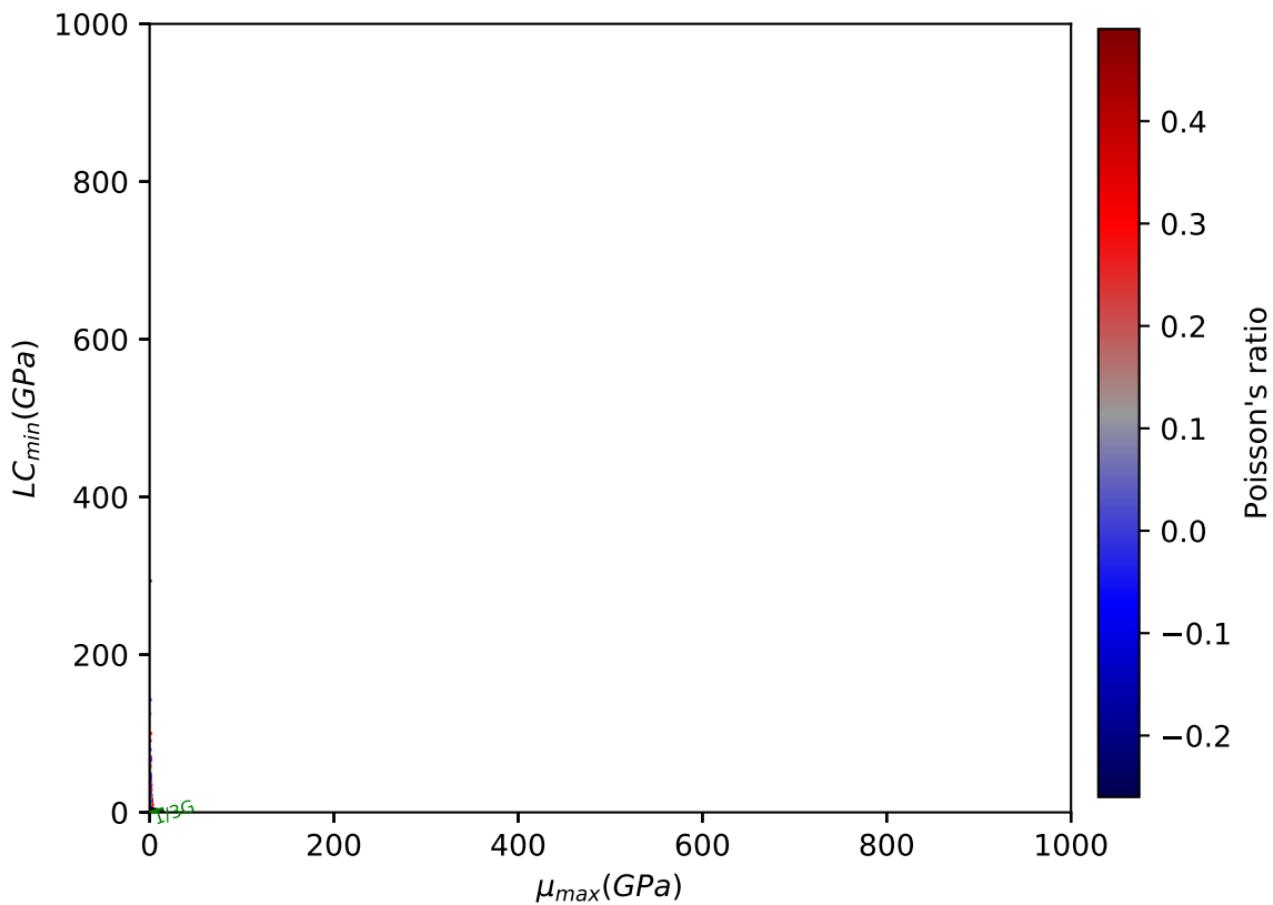
1000

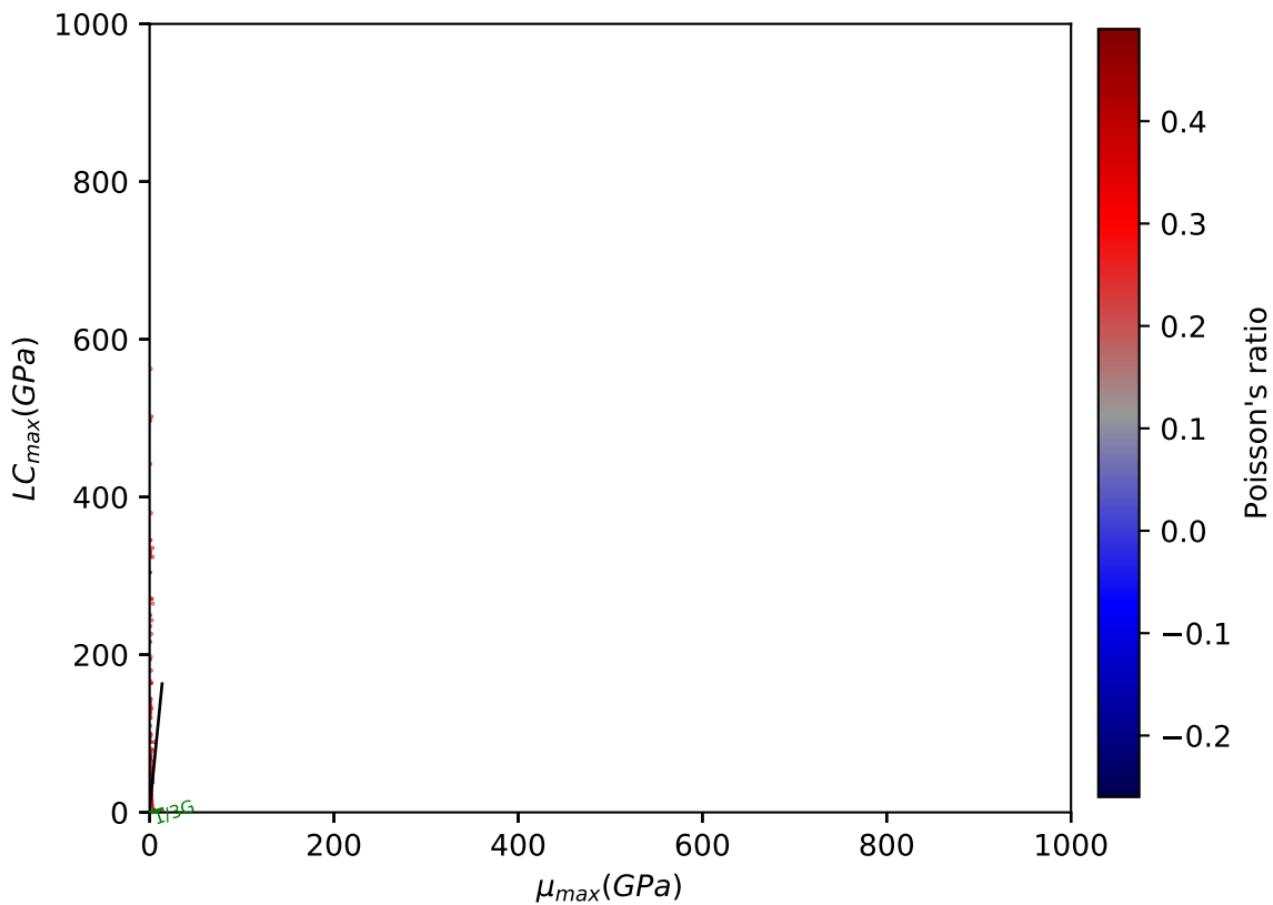
$\mu_{\min}(\text{GPa})$

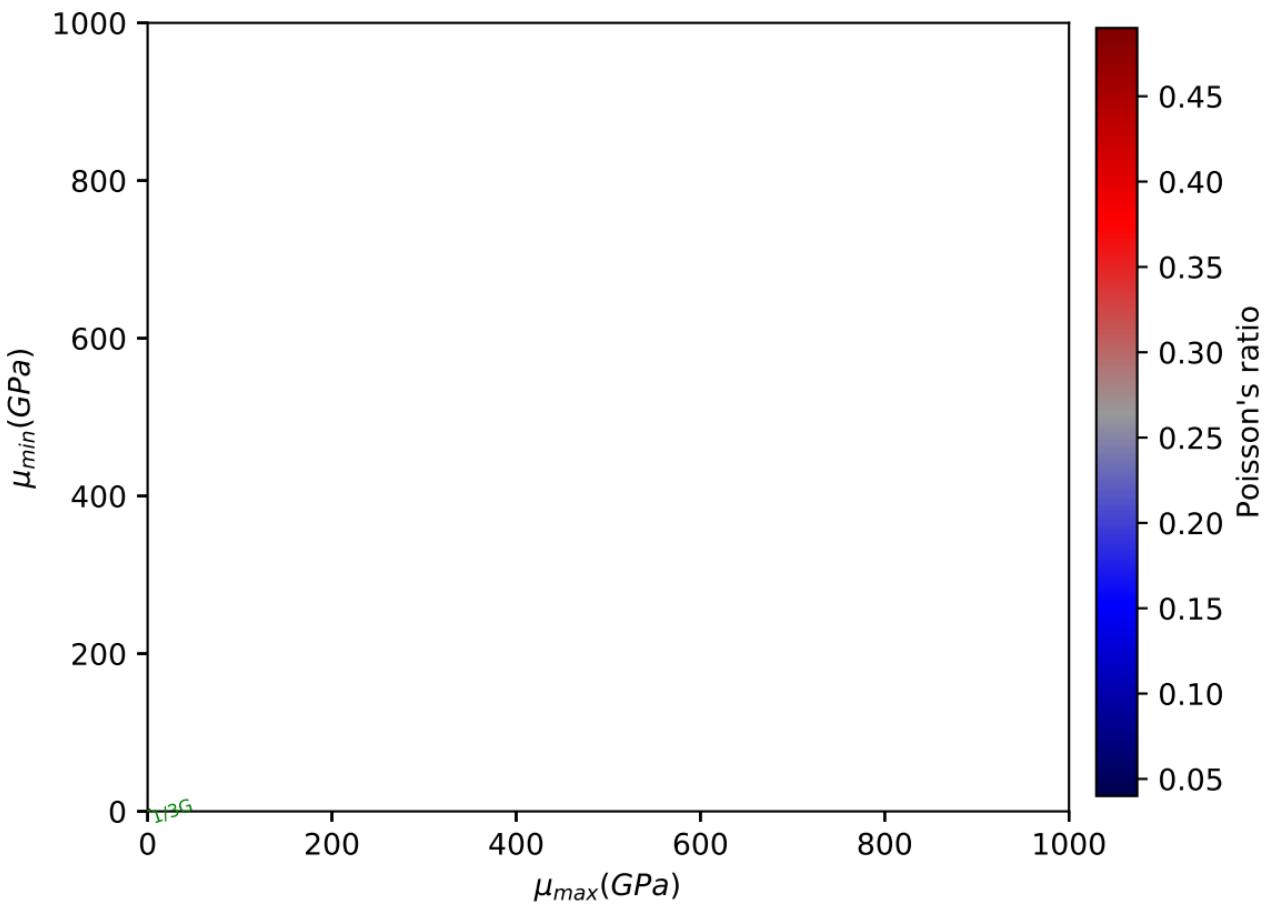
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05

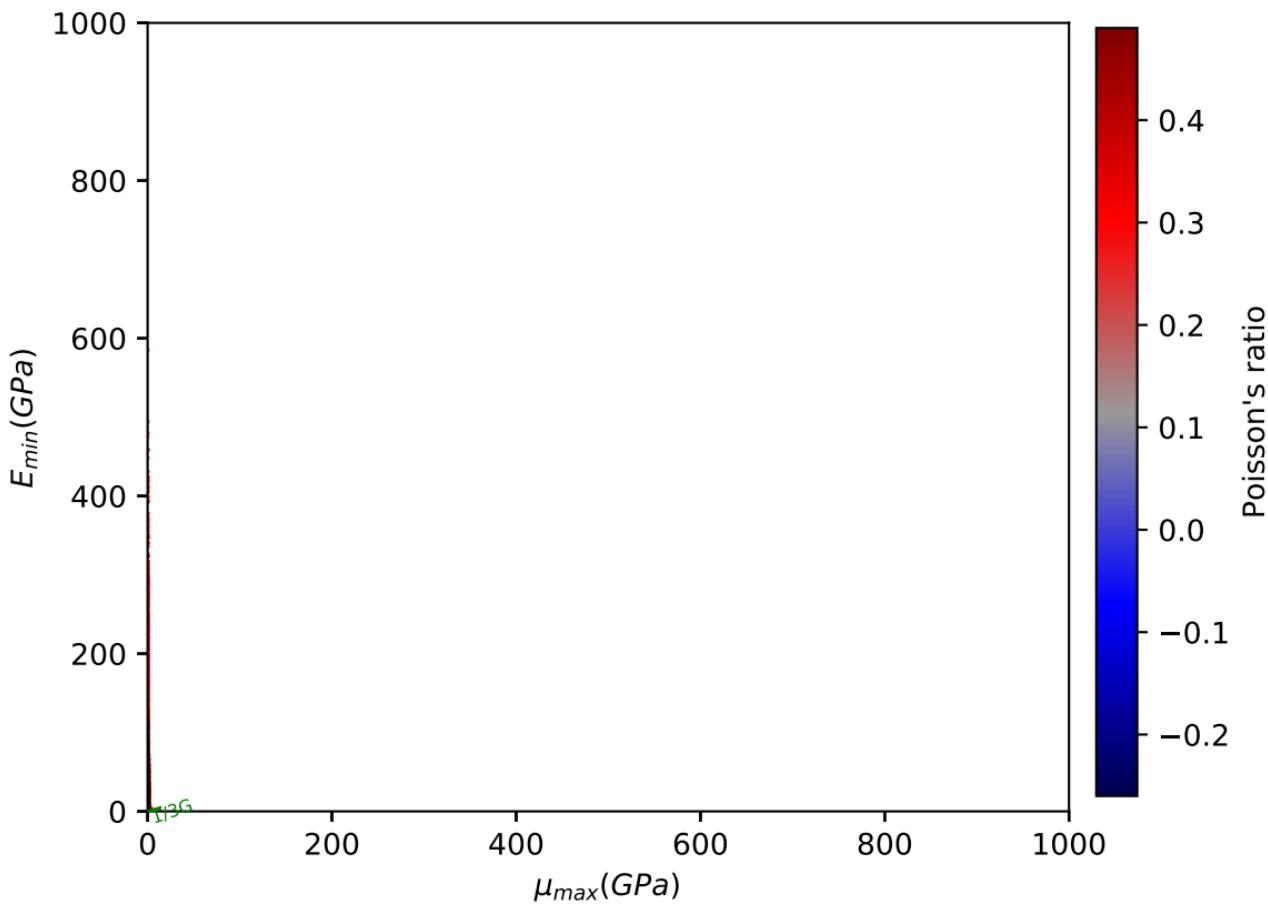
Poisson's ratio

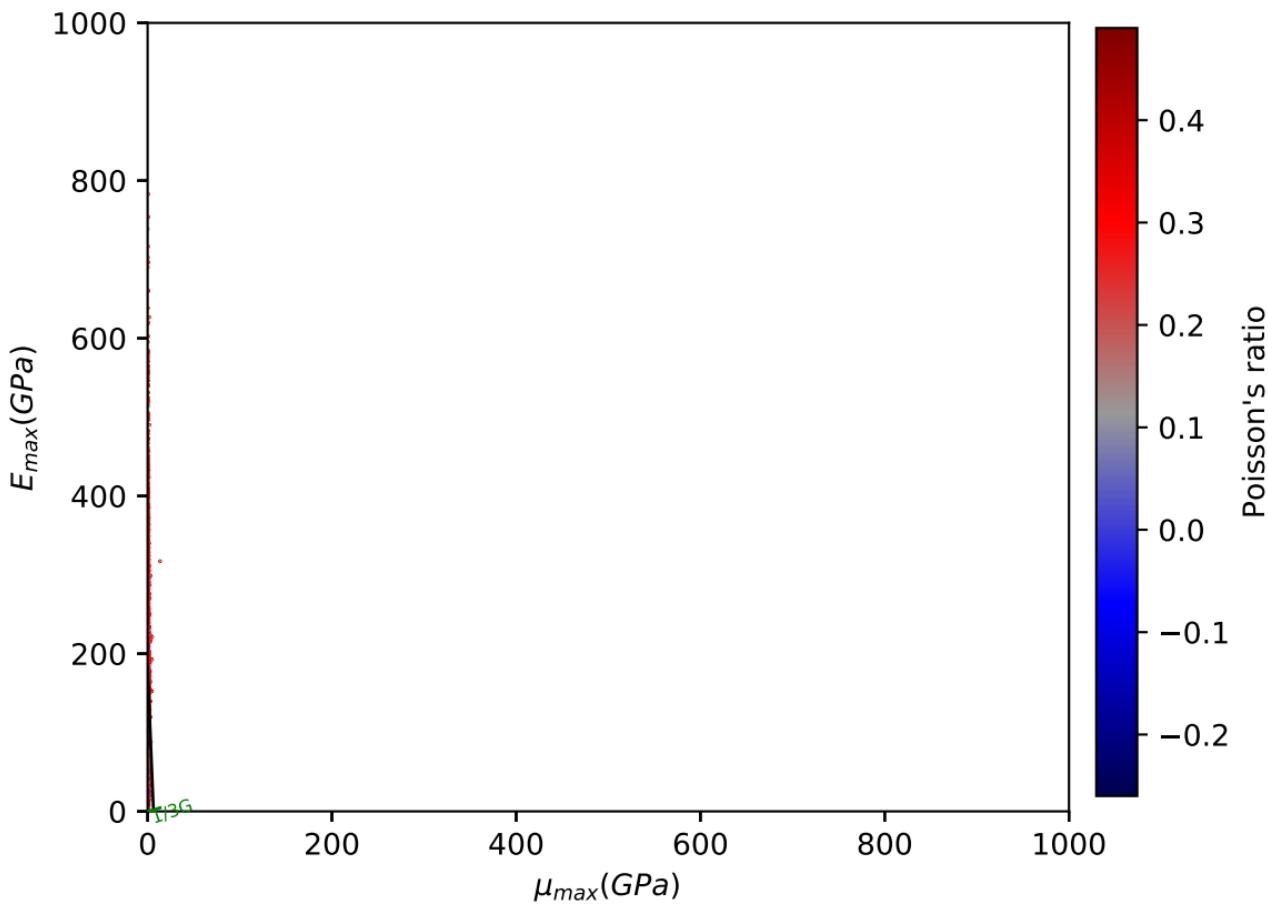
126

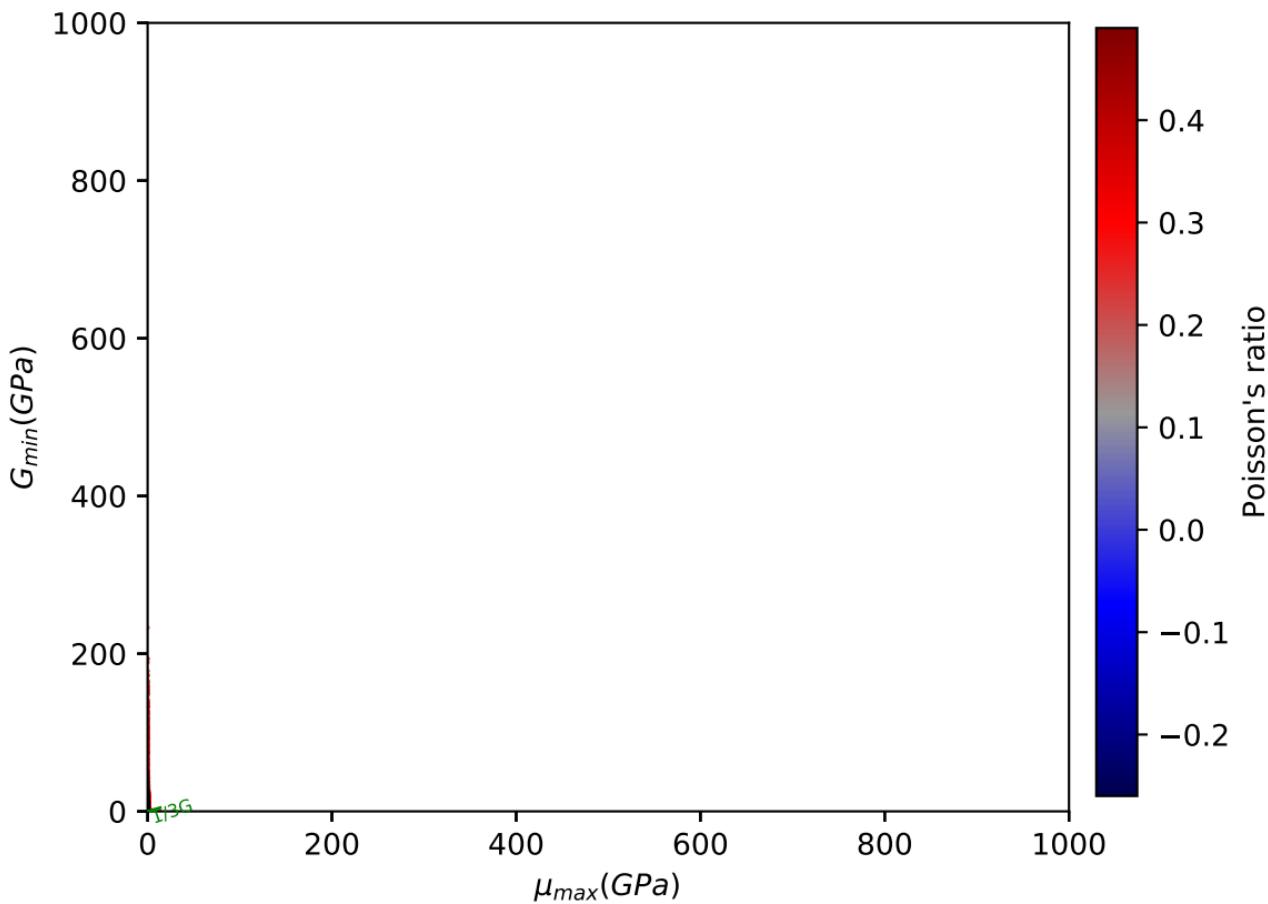


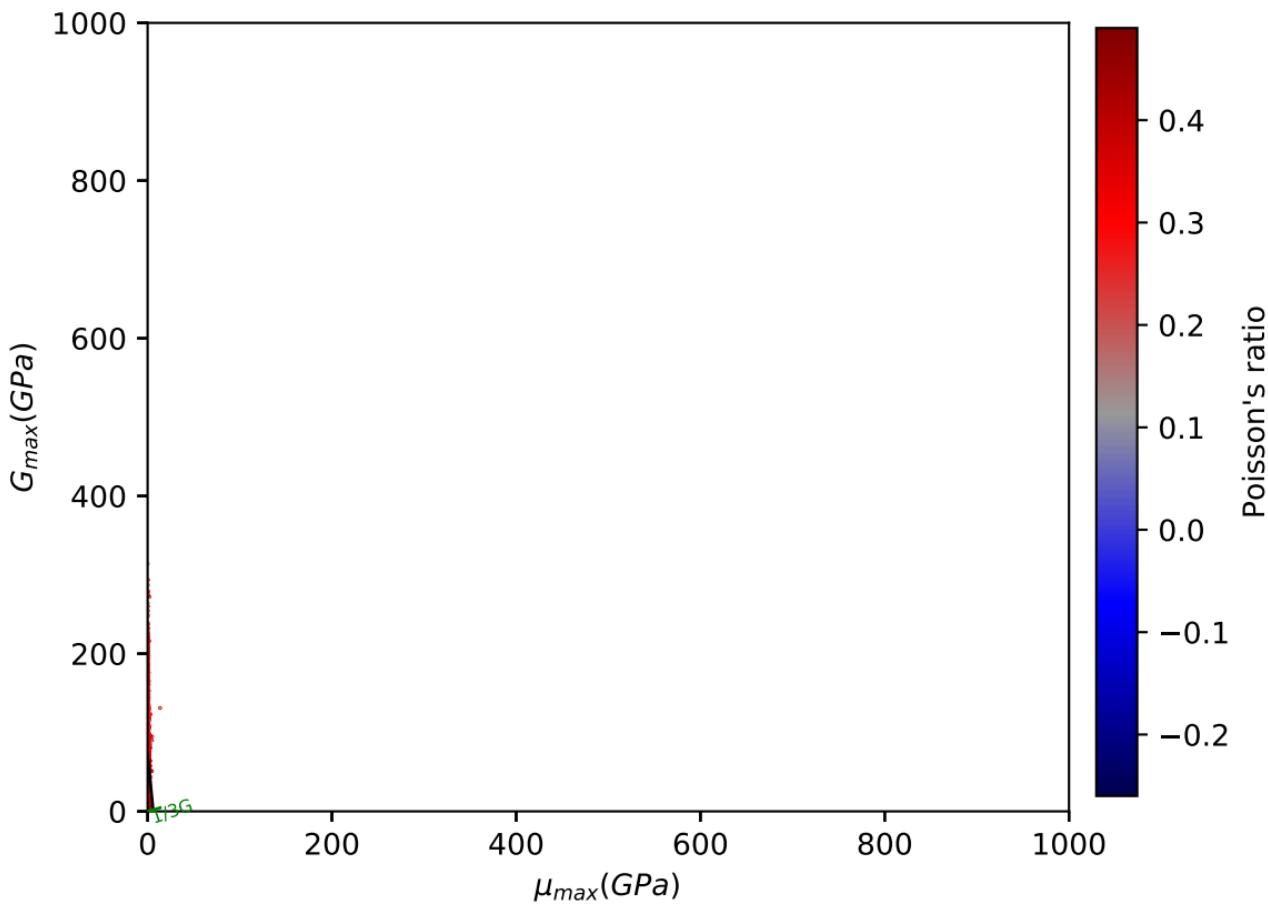


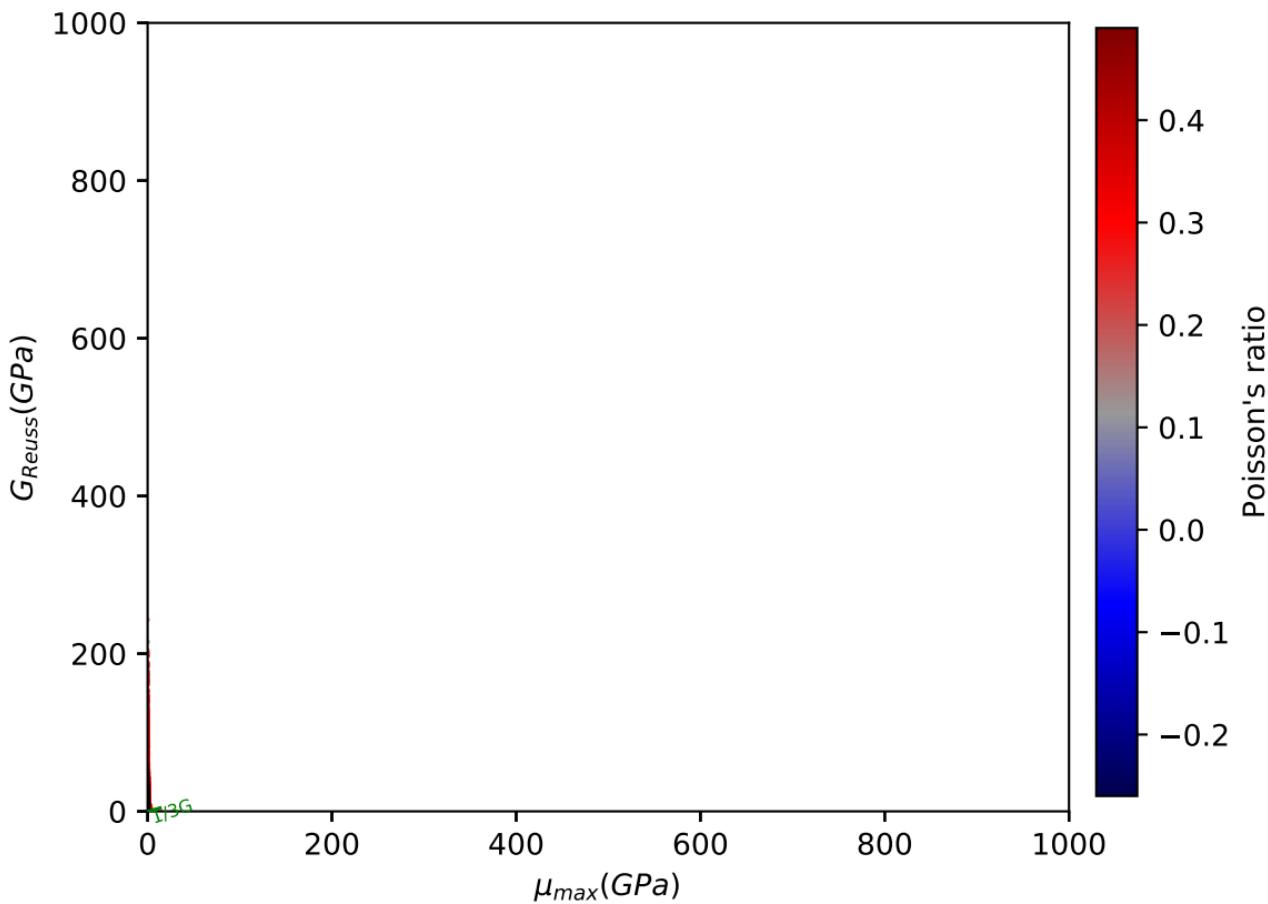












$G_{Vogt}(GPa)$

1000

800

600

400

200

0

200

400

600

800

1000

 $\mu_{max}(GPa)$

0.4

0.3

0.2

0.1

0.0

-0.1

-0.2

Poisson's ratio

S₁₂S₂₃S₃₁S₁₃S₂₁S₃₂S₁₁S₂₂S₃₃S₄₄S₅₅S₆₆S₇₇S₈₈S₉₉S₁₀₀S₁₁₁S₂₂₂S₃₃₃S₄₄₄S₅₅₅S₆₆₆S₇₇₇S₈₈₈S₉₉₉S₁₀₀₀

$G_{\text{Voigt Reuss Hill}}(\text{GPa})$

1000

800

600

400

200

0

200

400

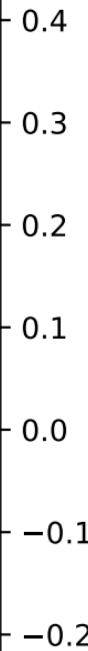
600

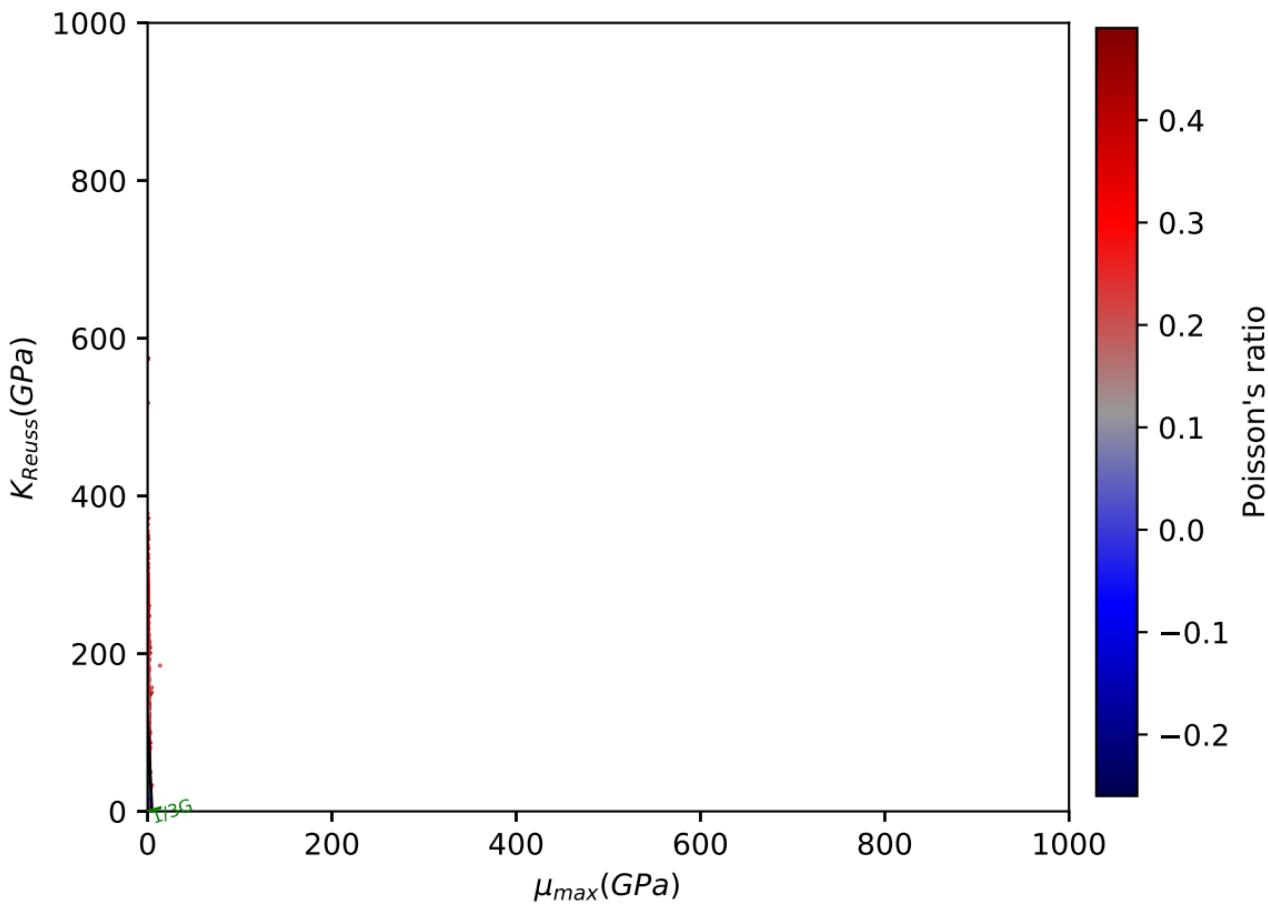
800

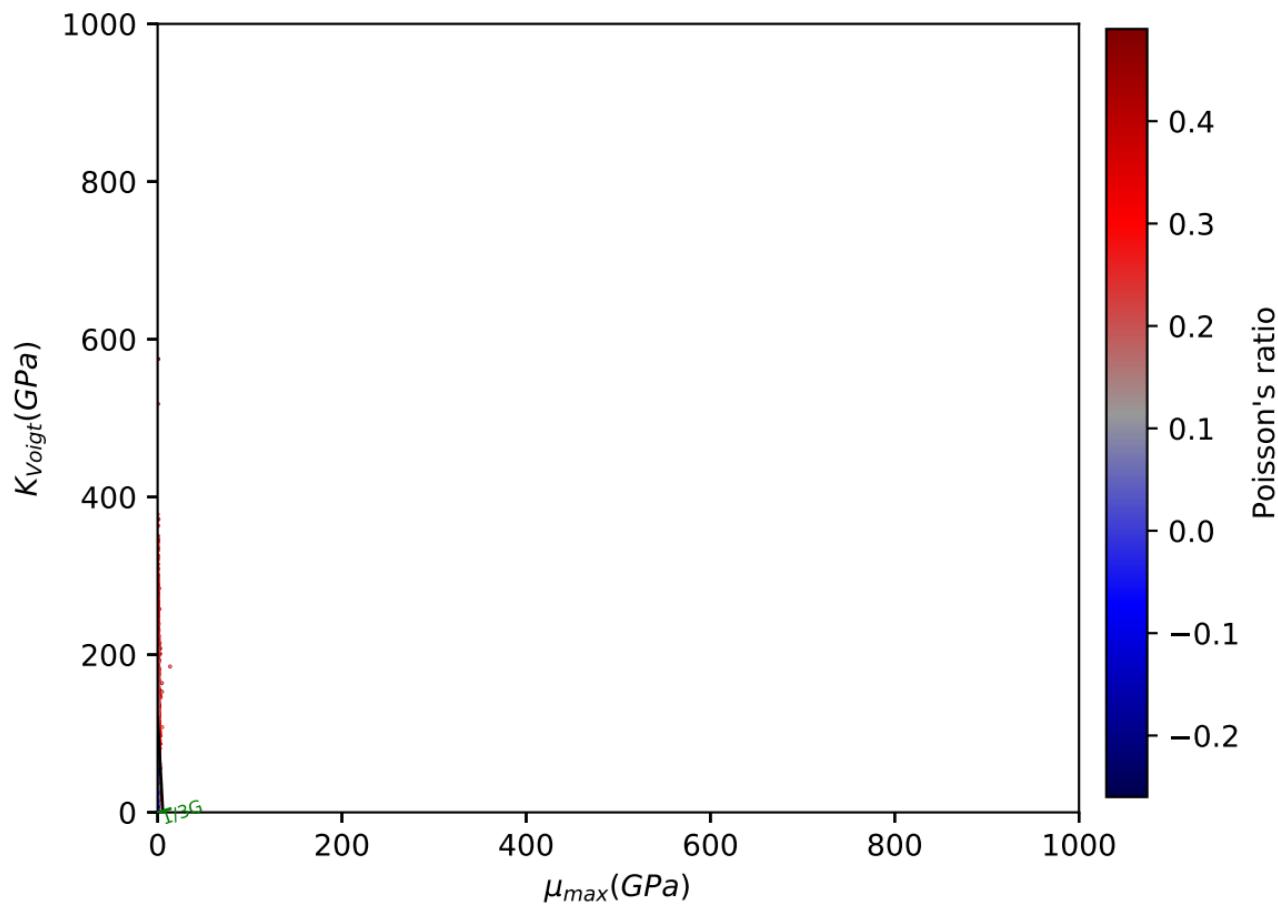
1000

$\mu_{\max}(\text{GPa})$

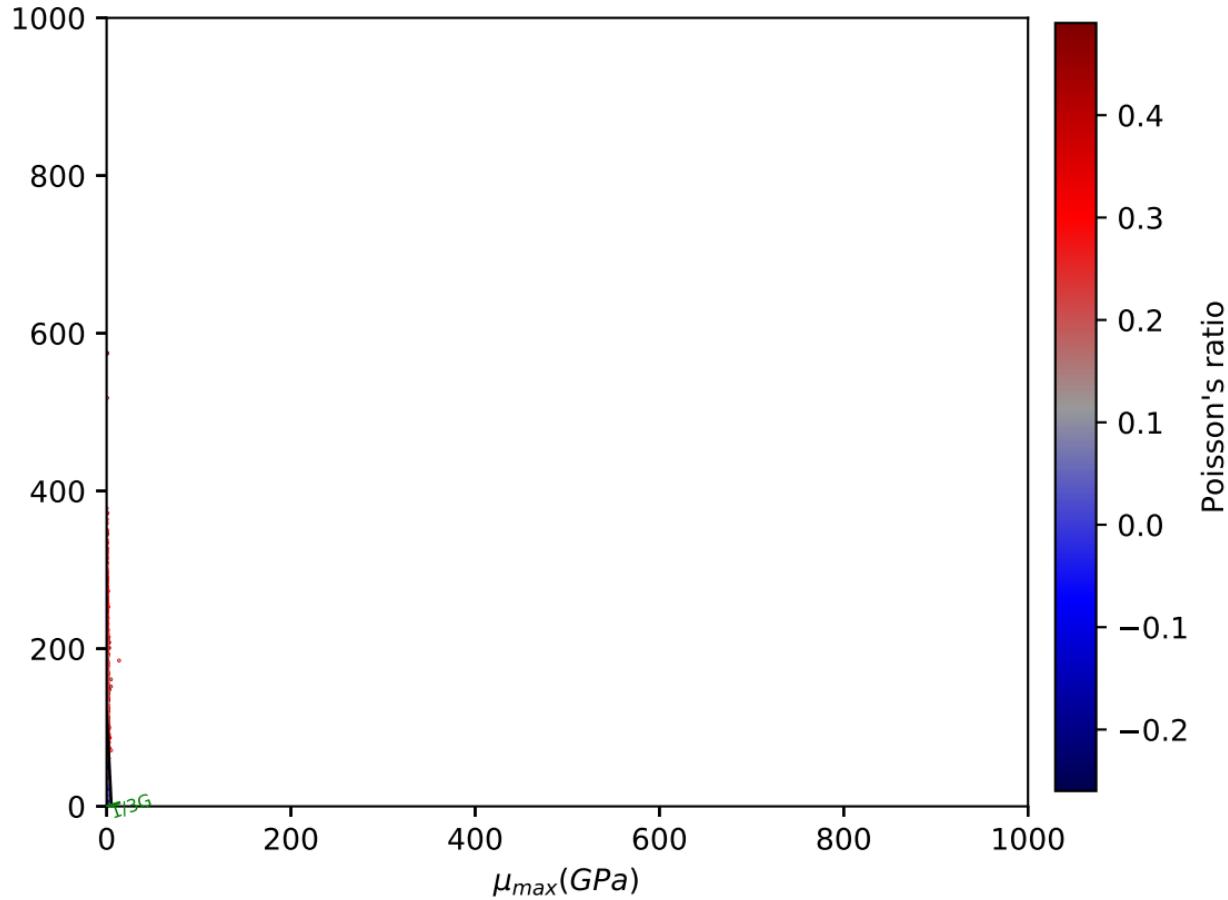
Poisson's ratio

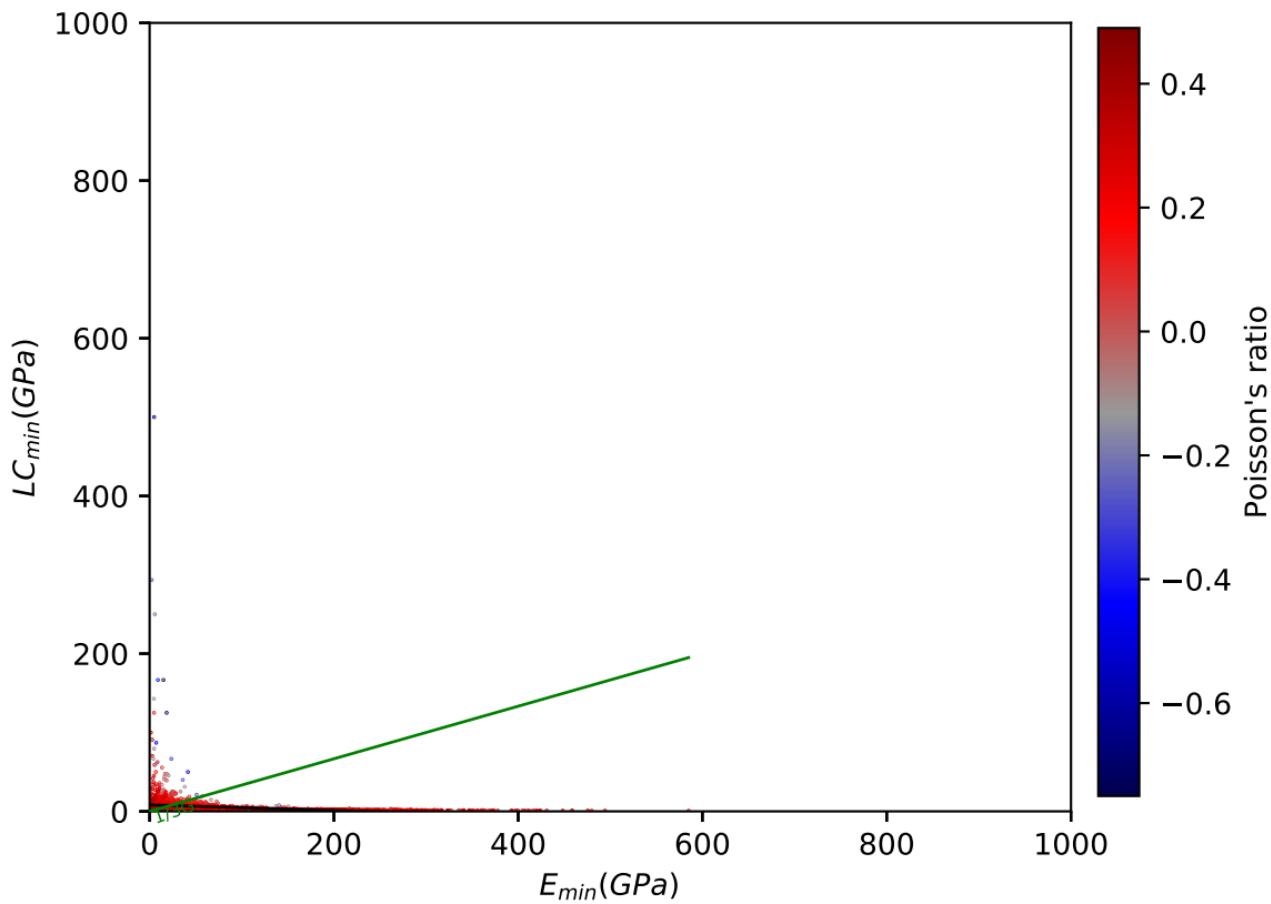


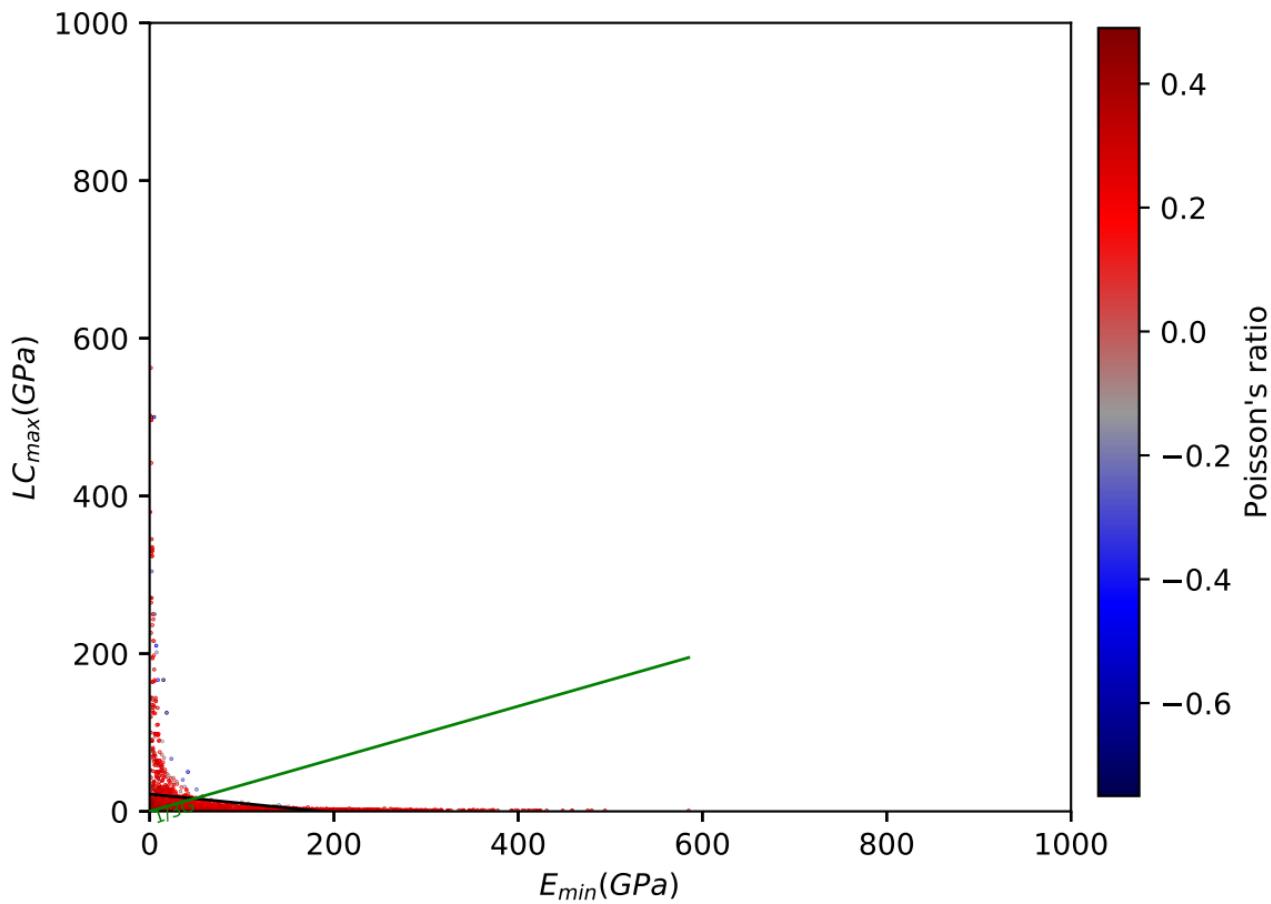


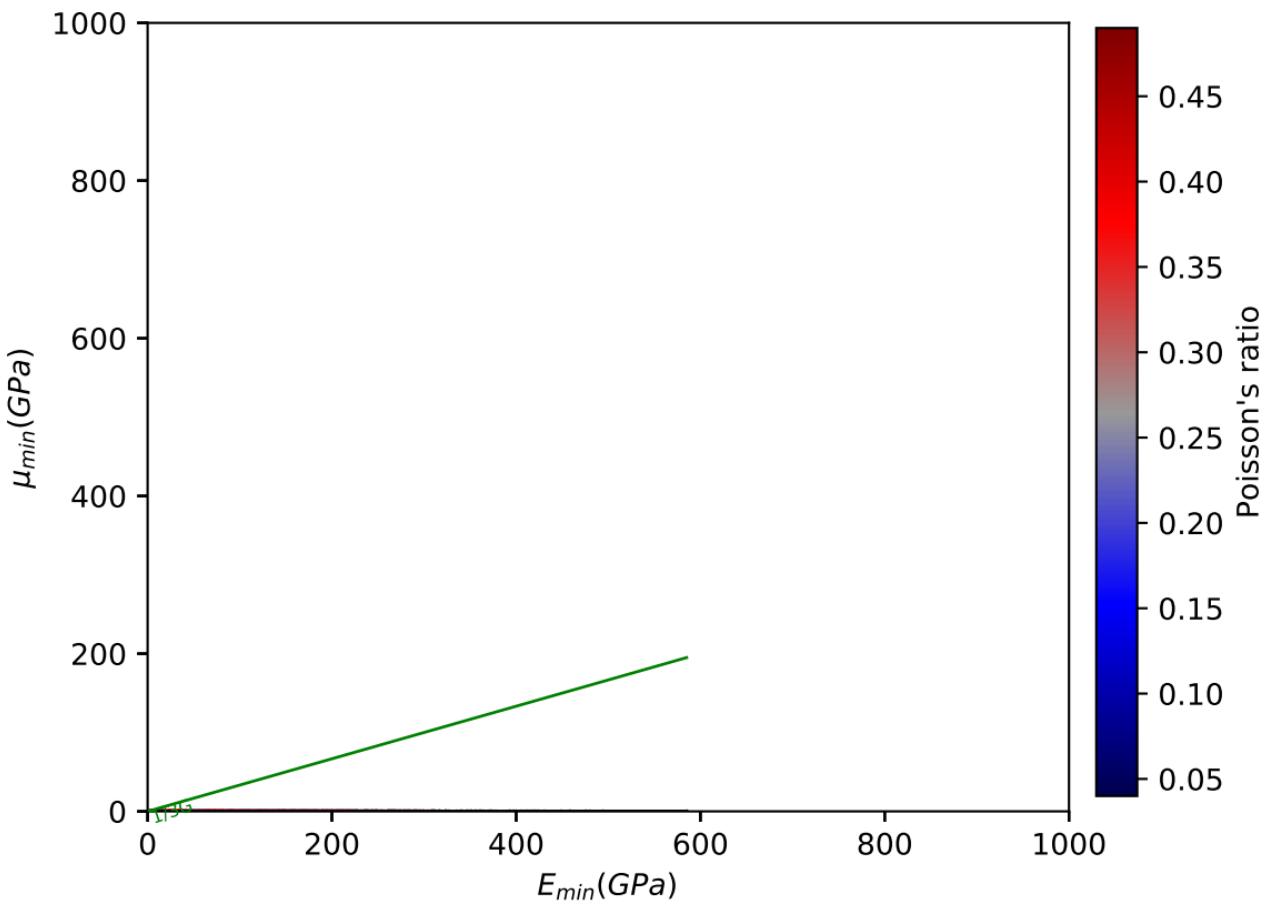


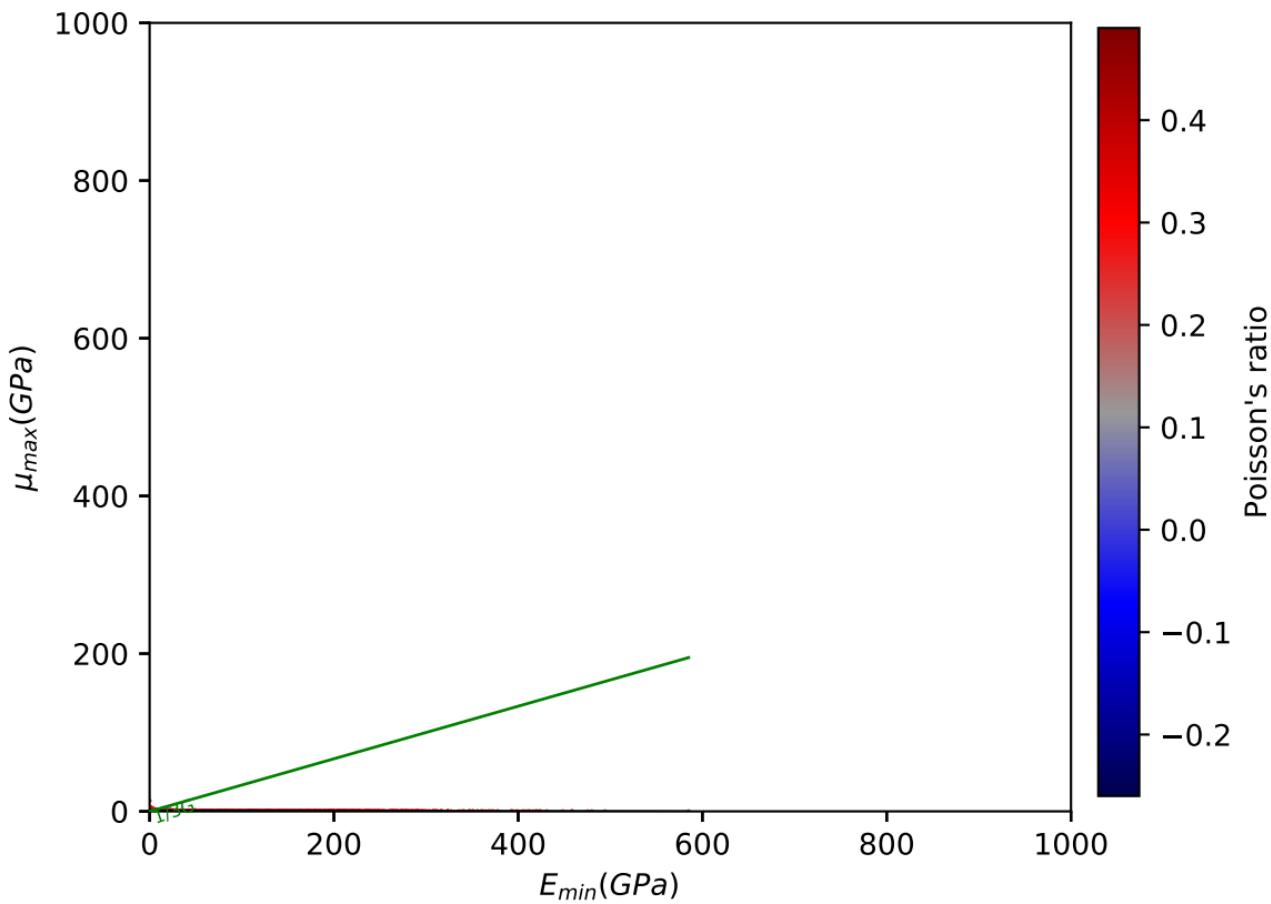
$K_{voigt \text{ Reuss } Hill}(GPa)$

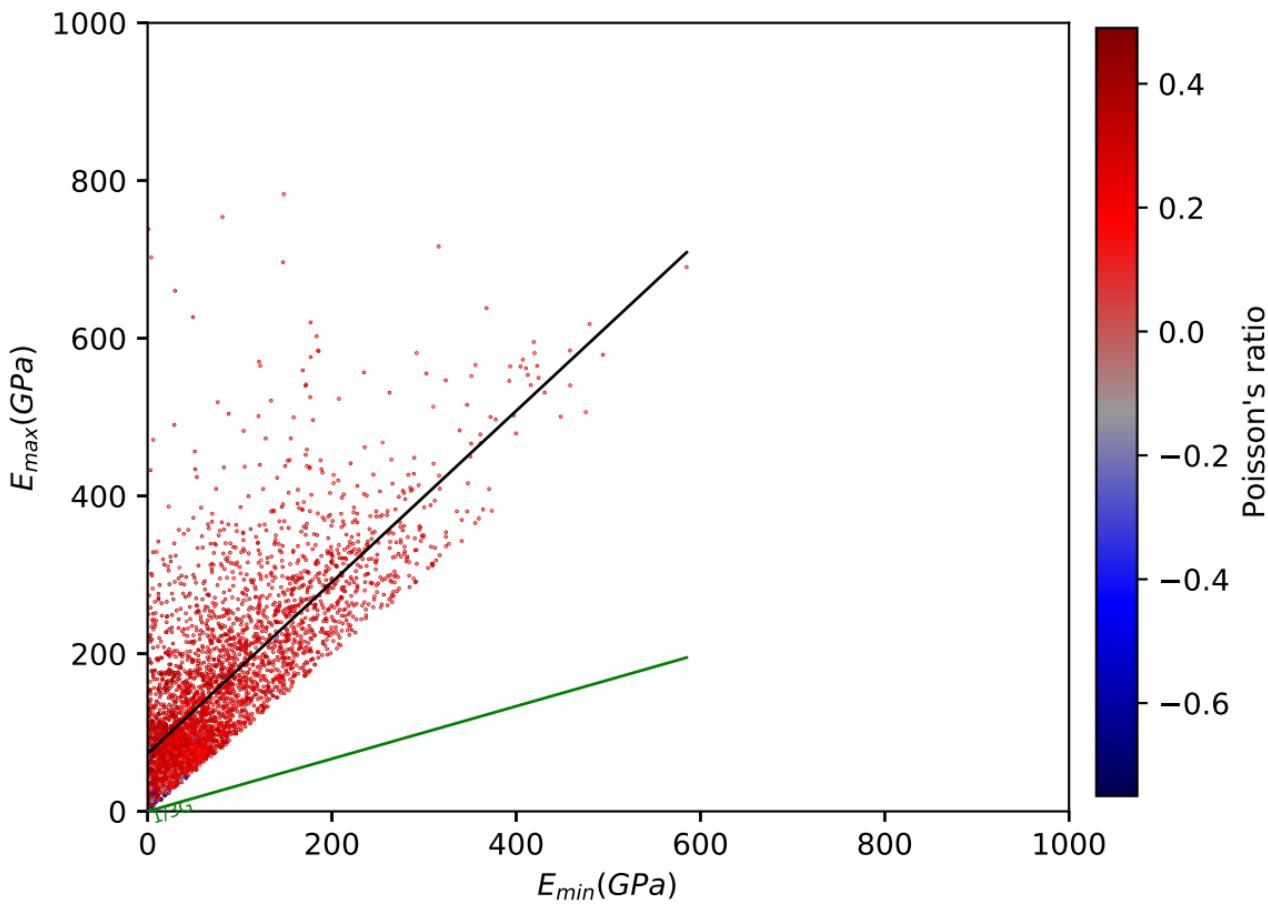


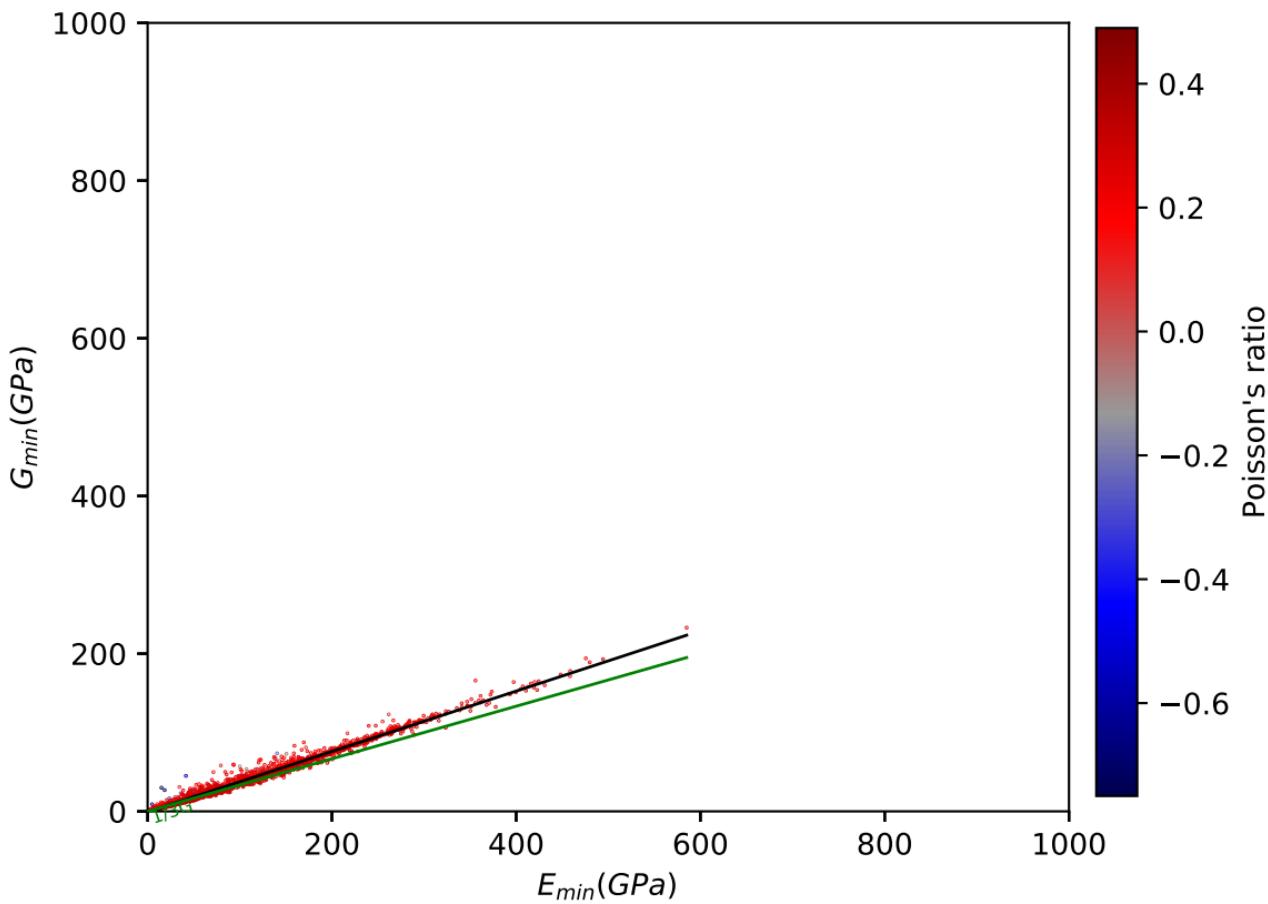


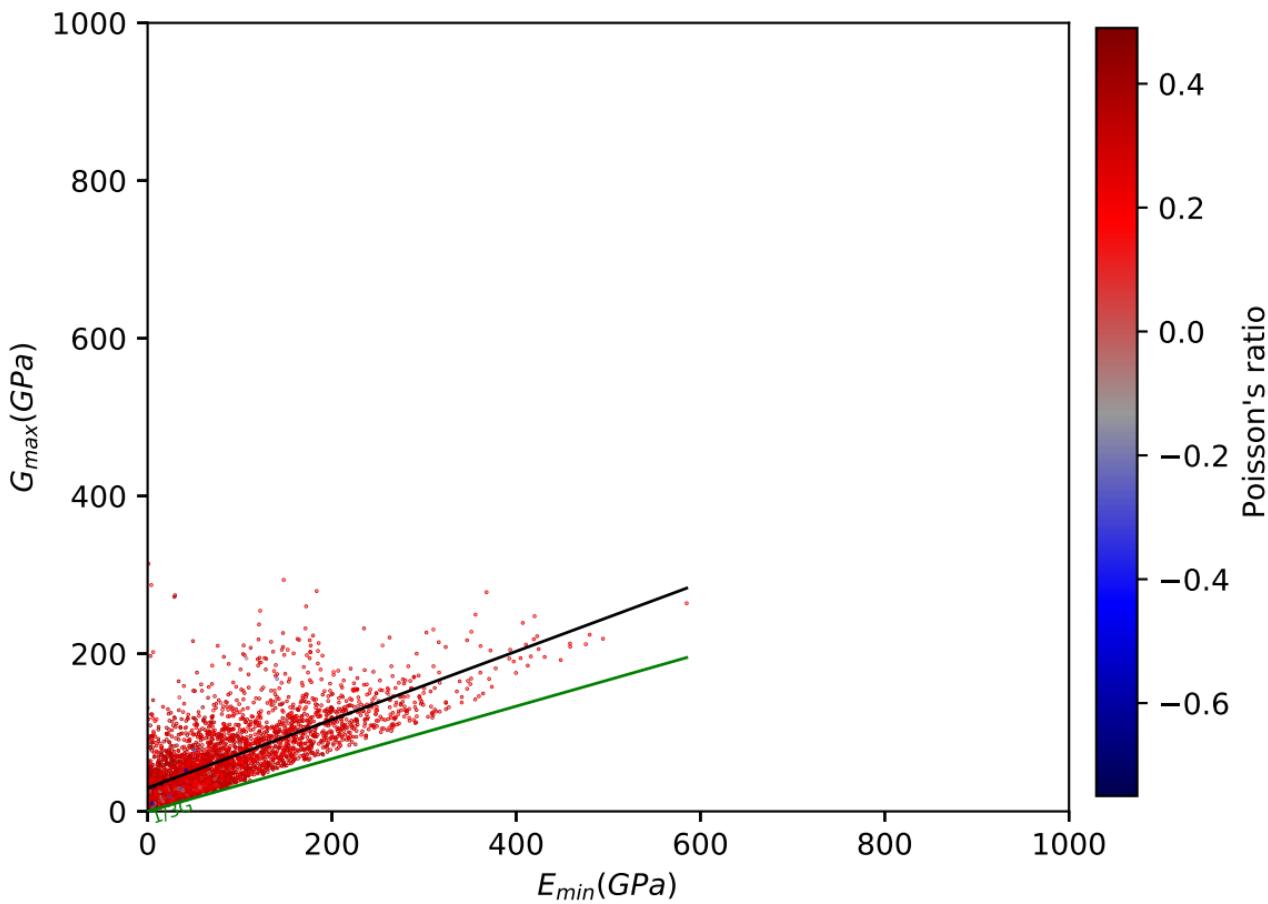


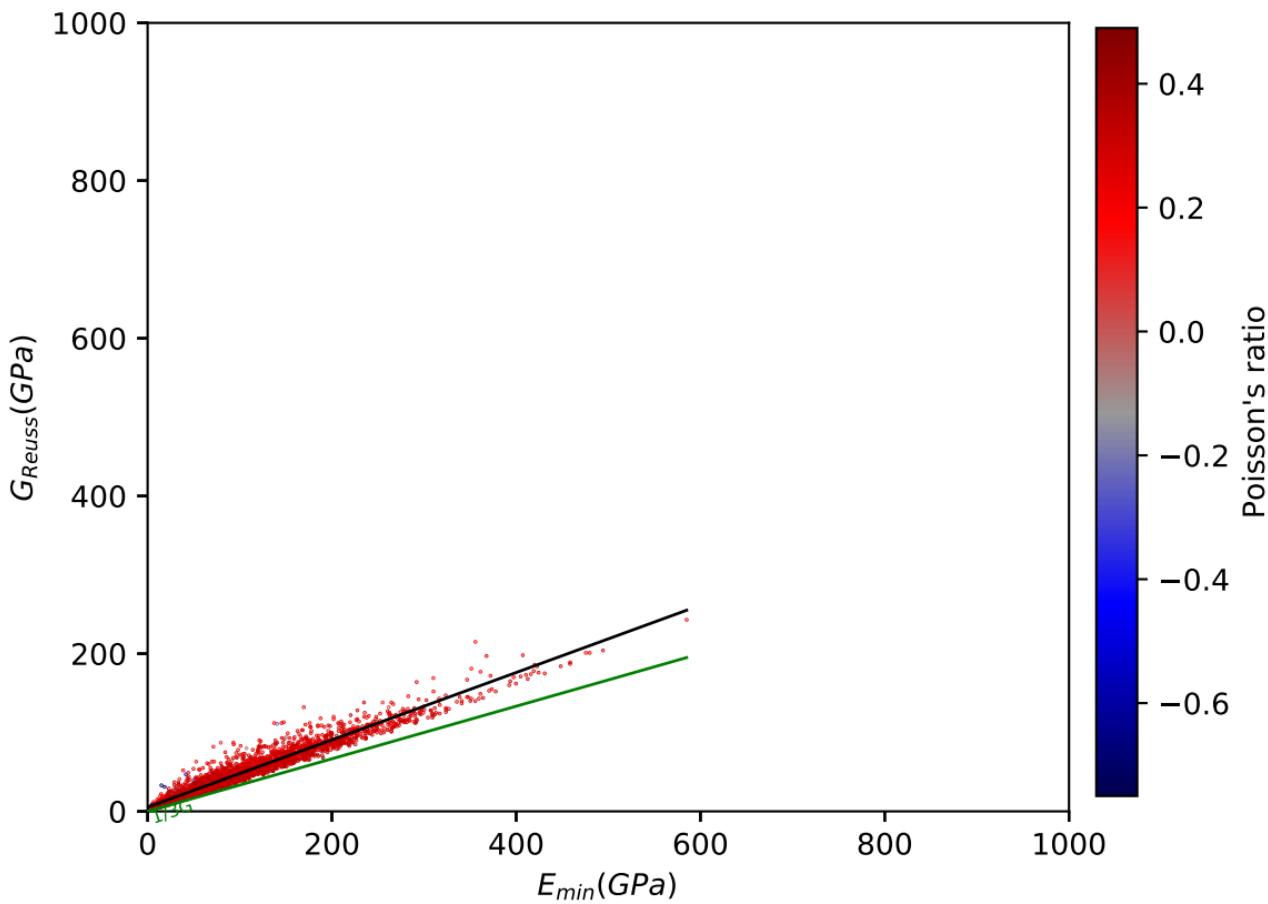


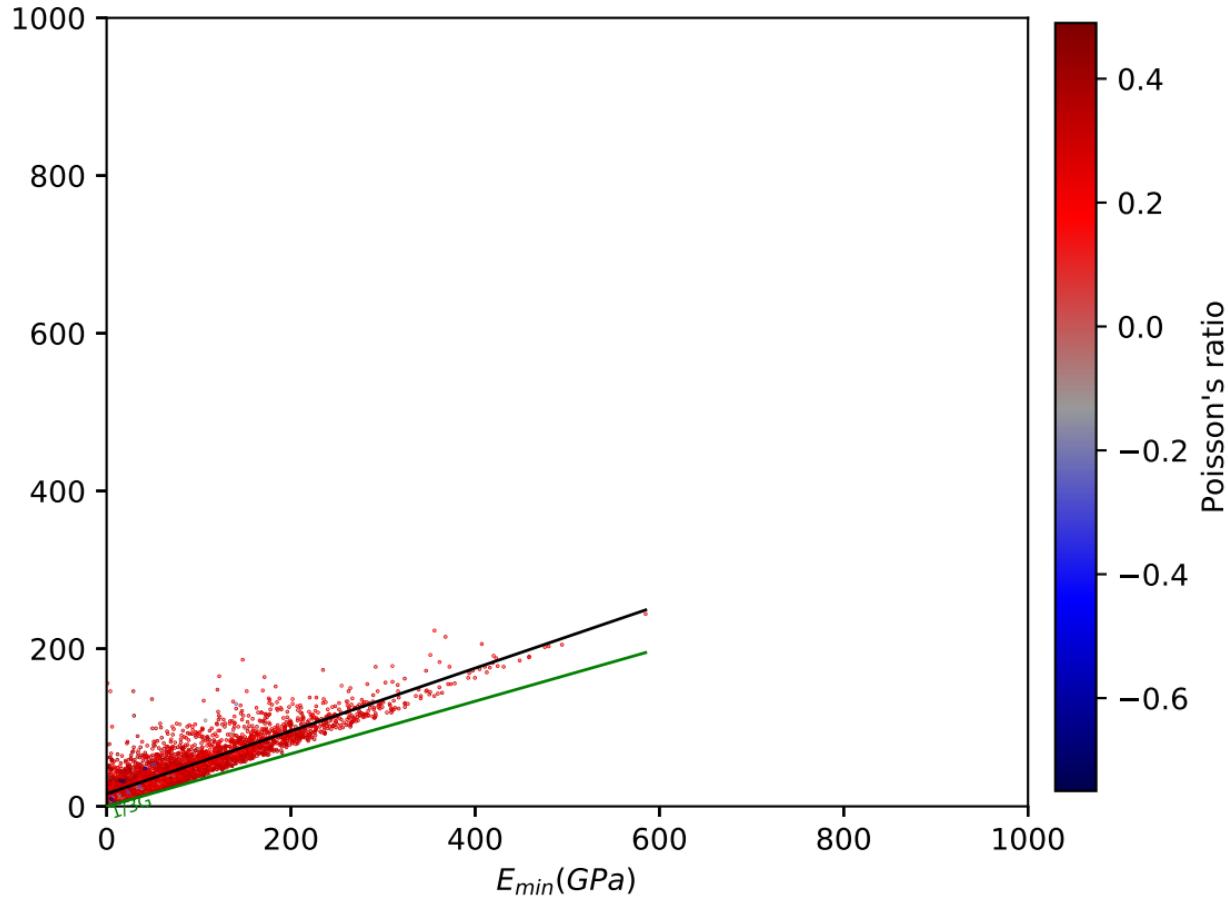


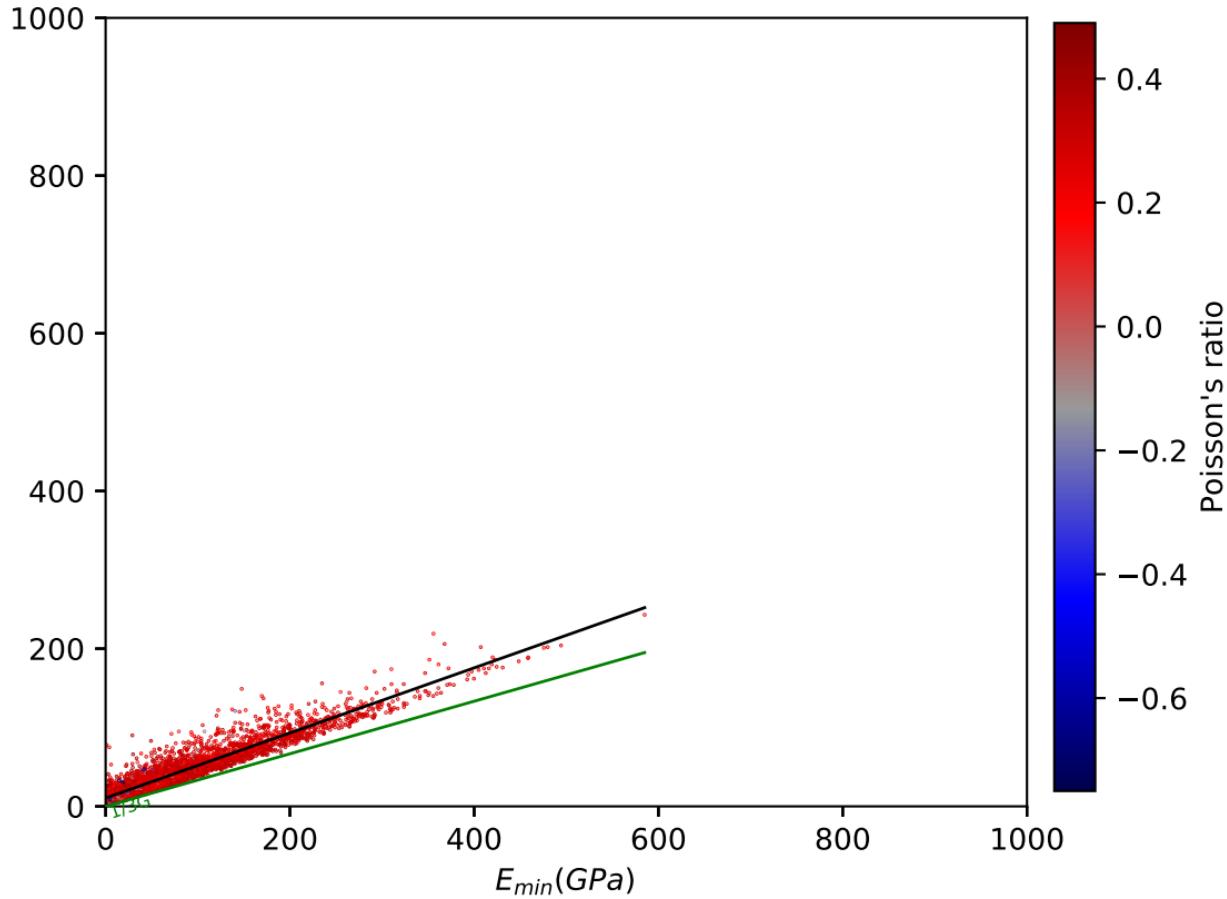


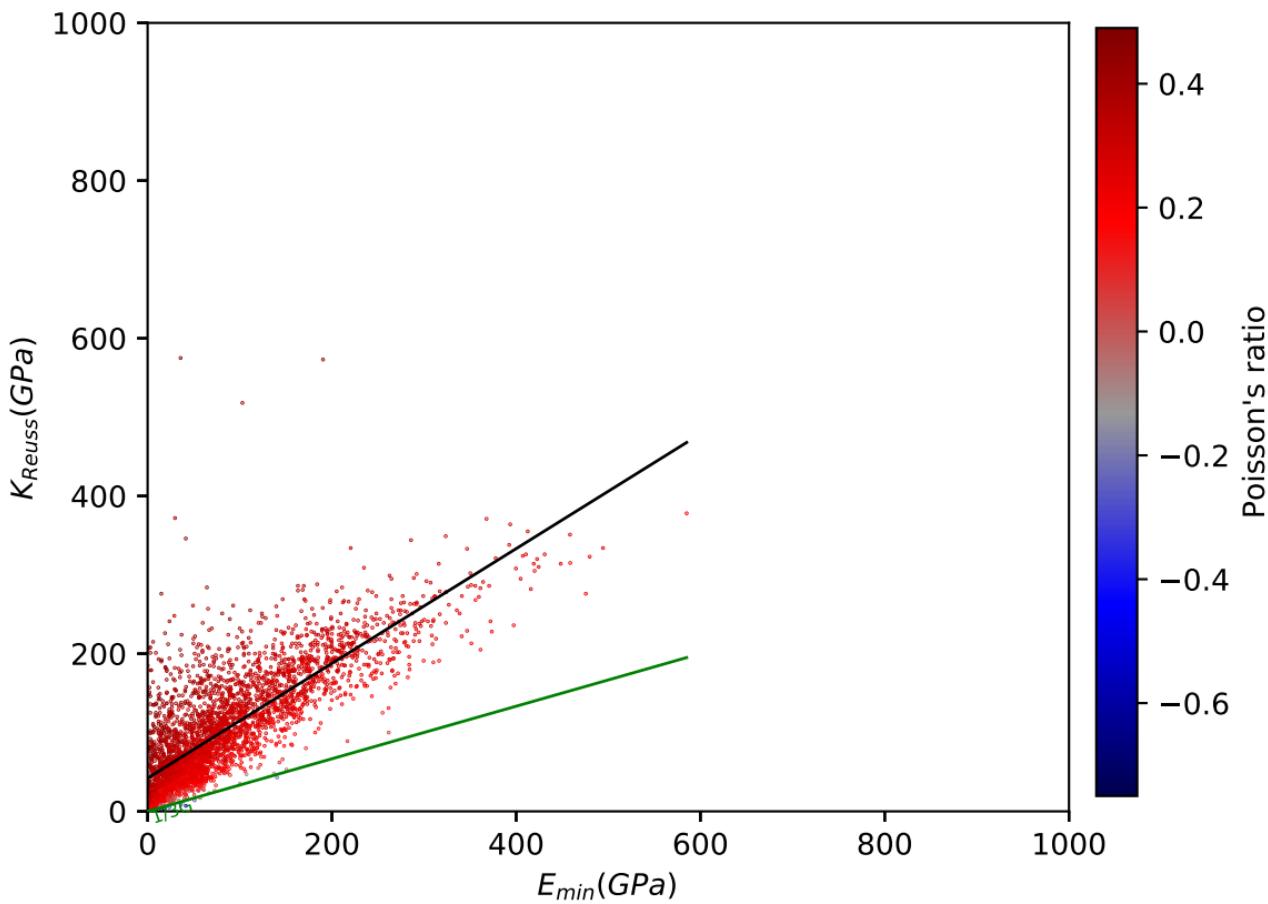


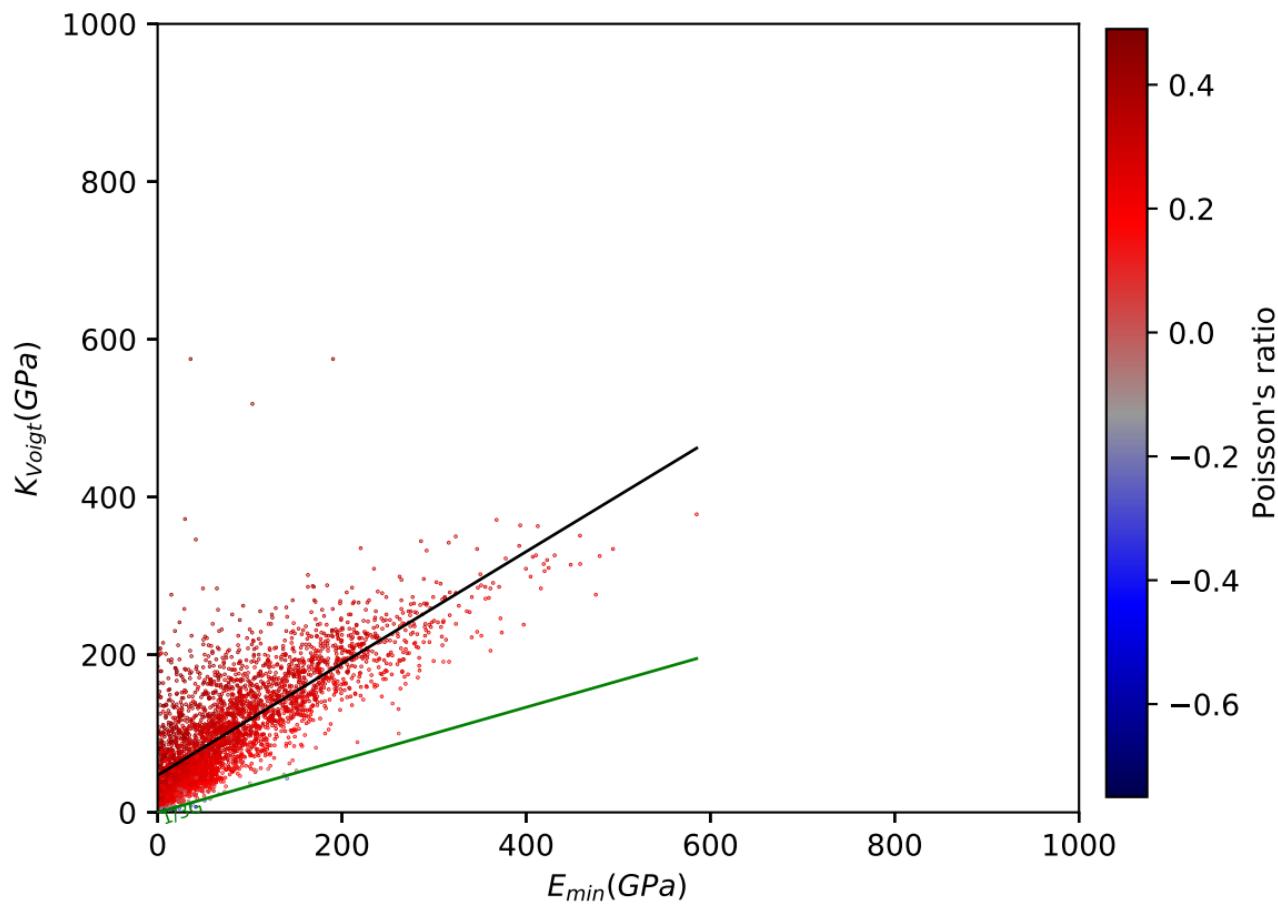


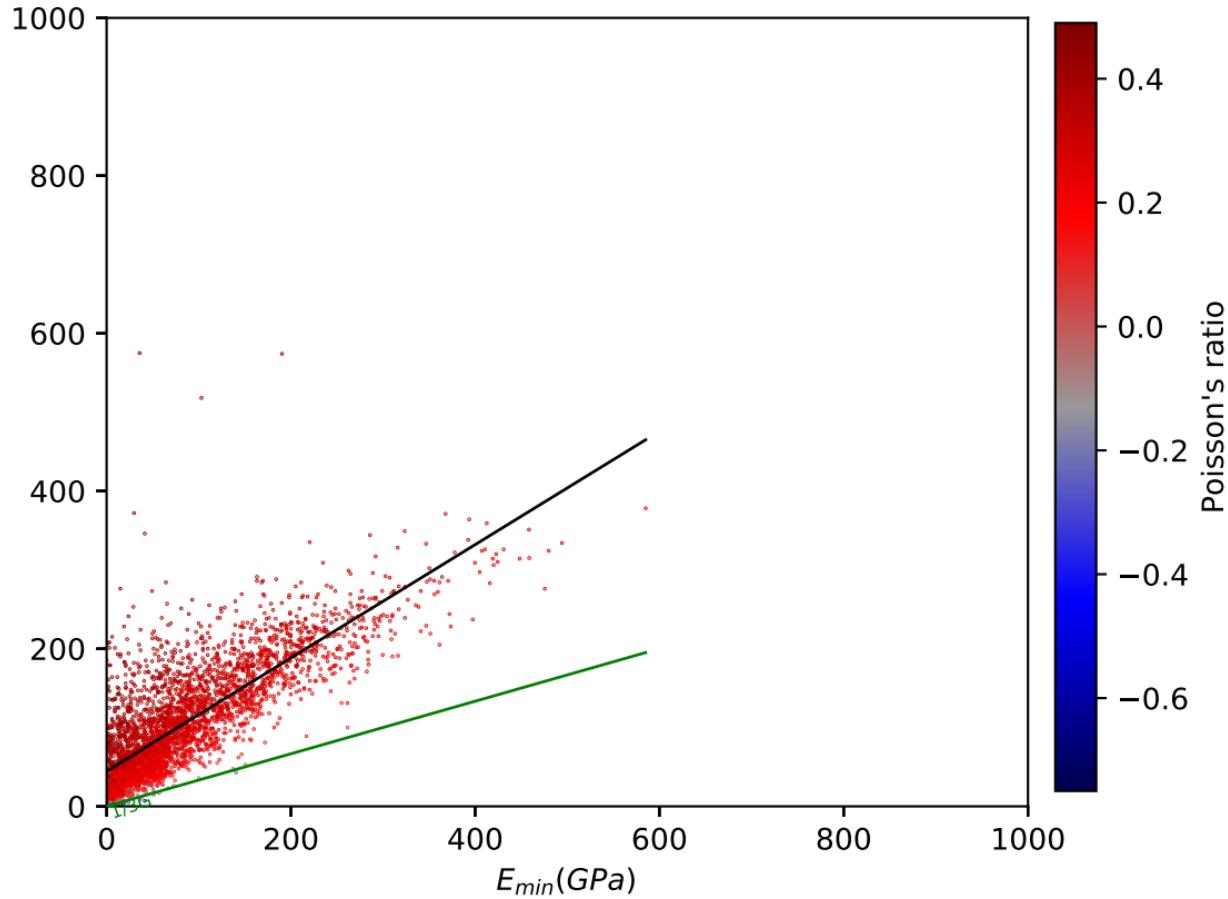


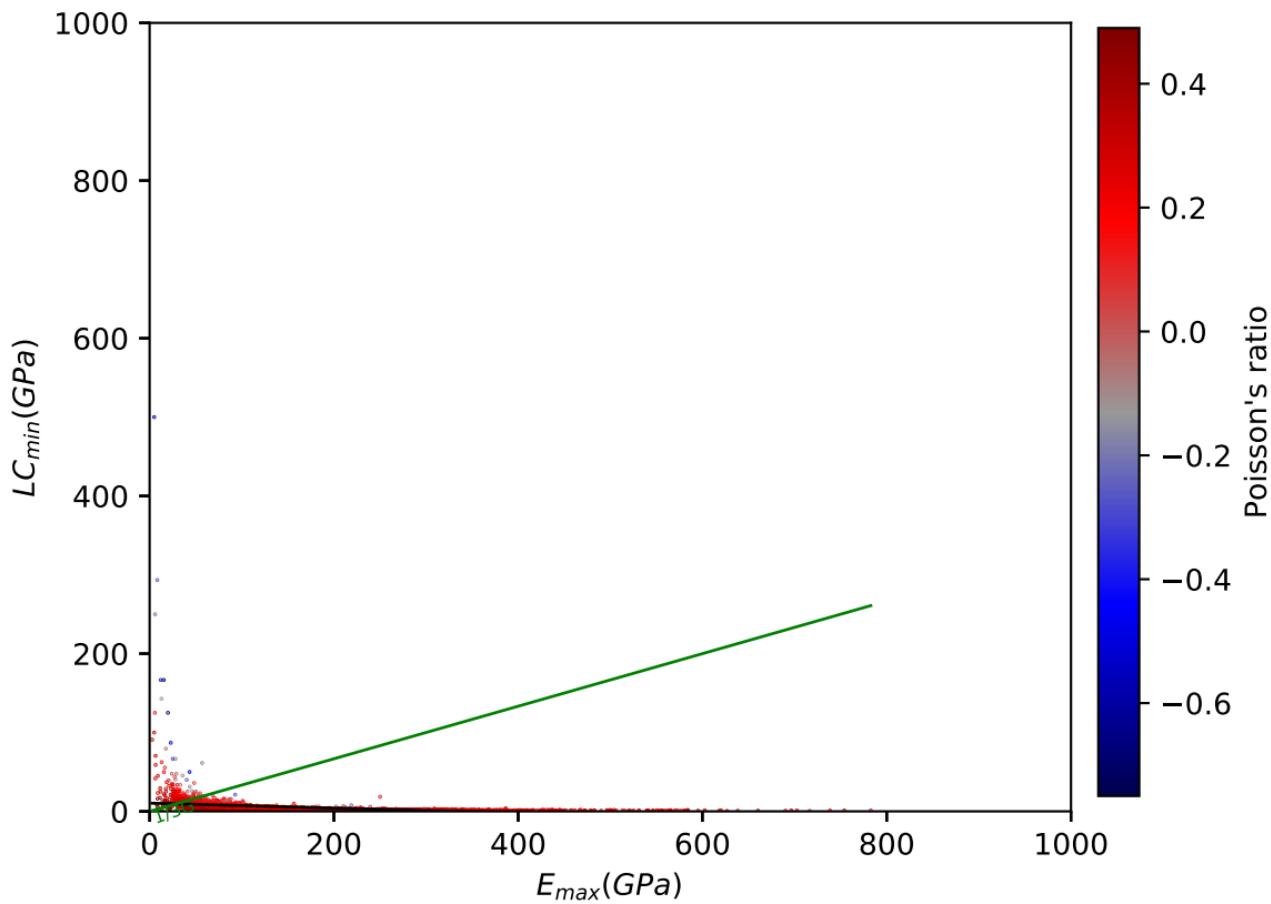
$G_{\text{Voigt}}(\text{GPa})$ 

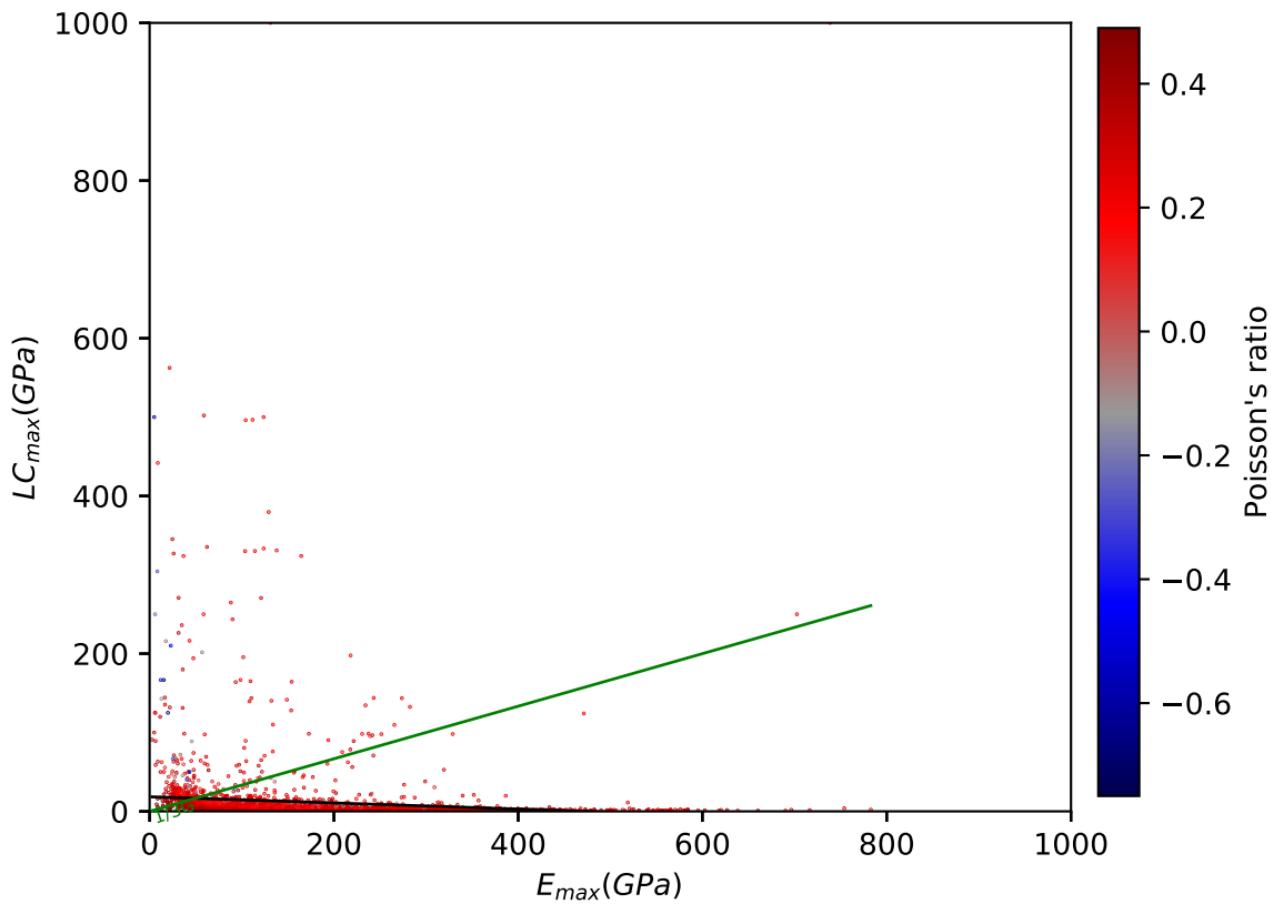
$G_{\text{Voigt Reuss Hill}}(\text{GPa})$ 

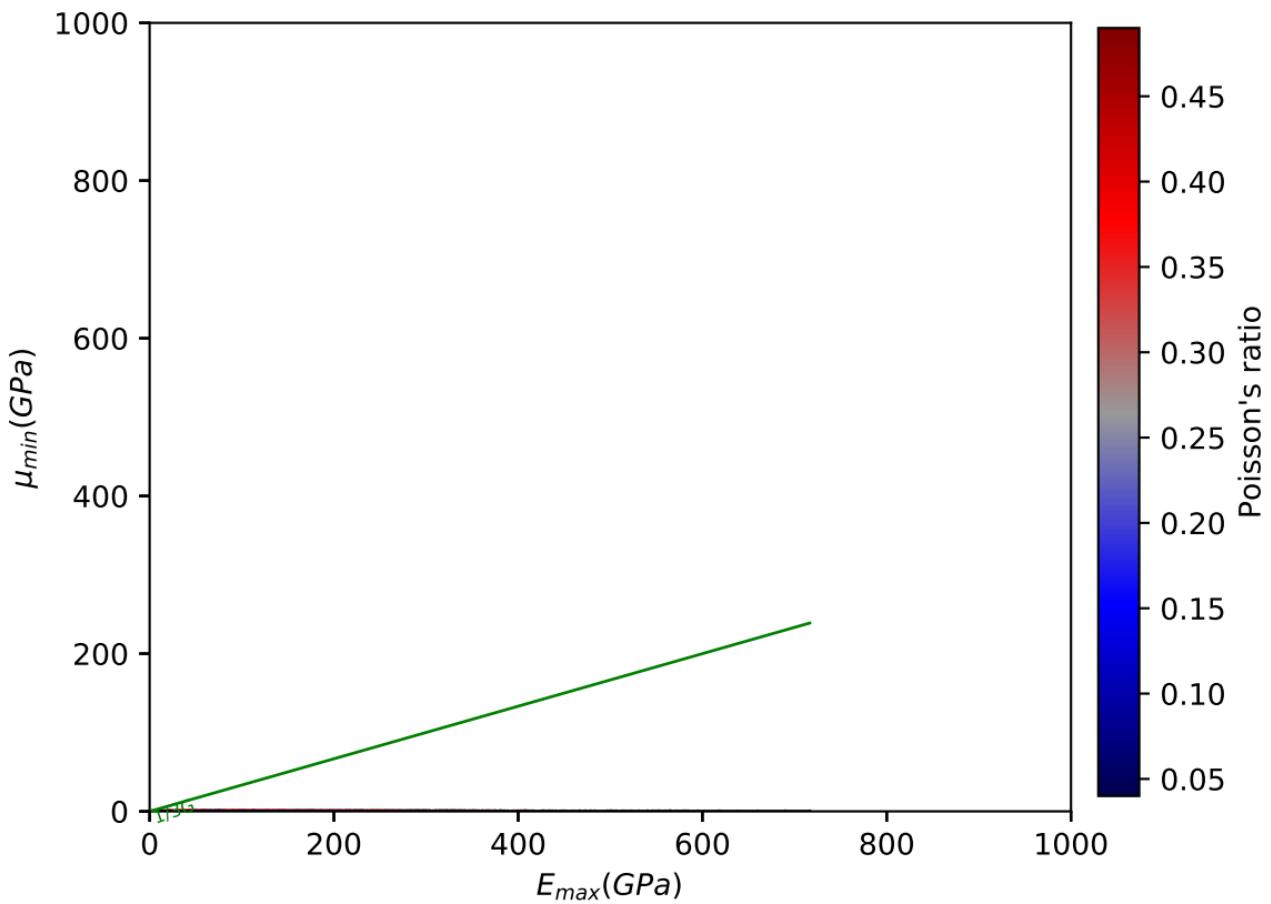


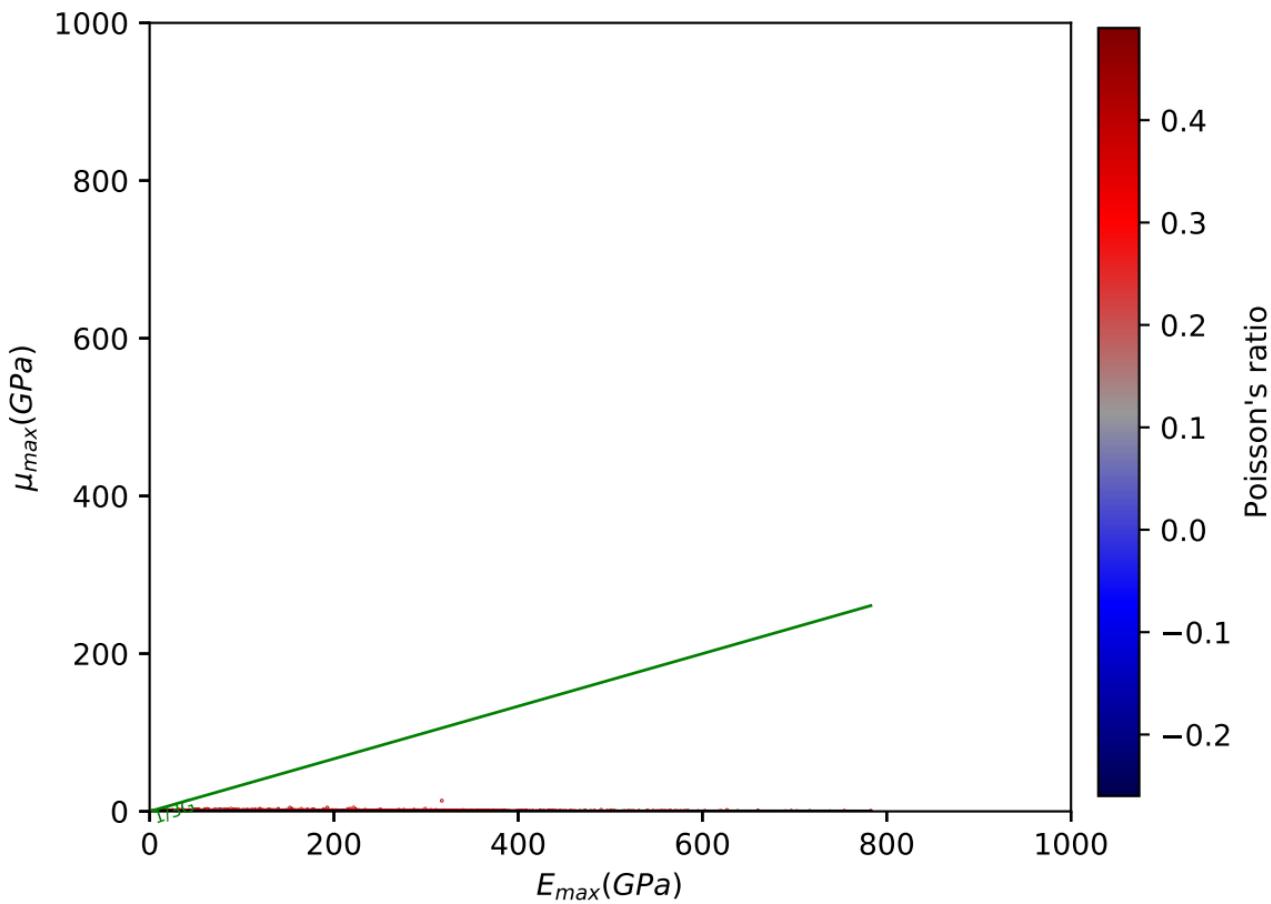


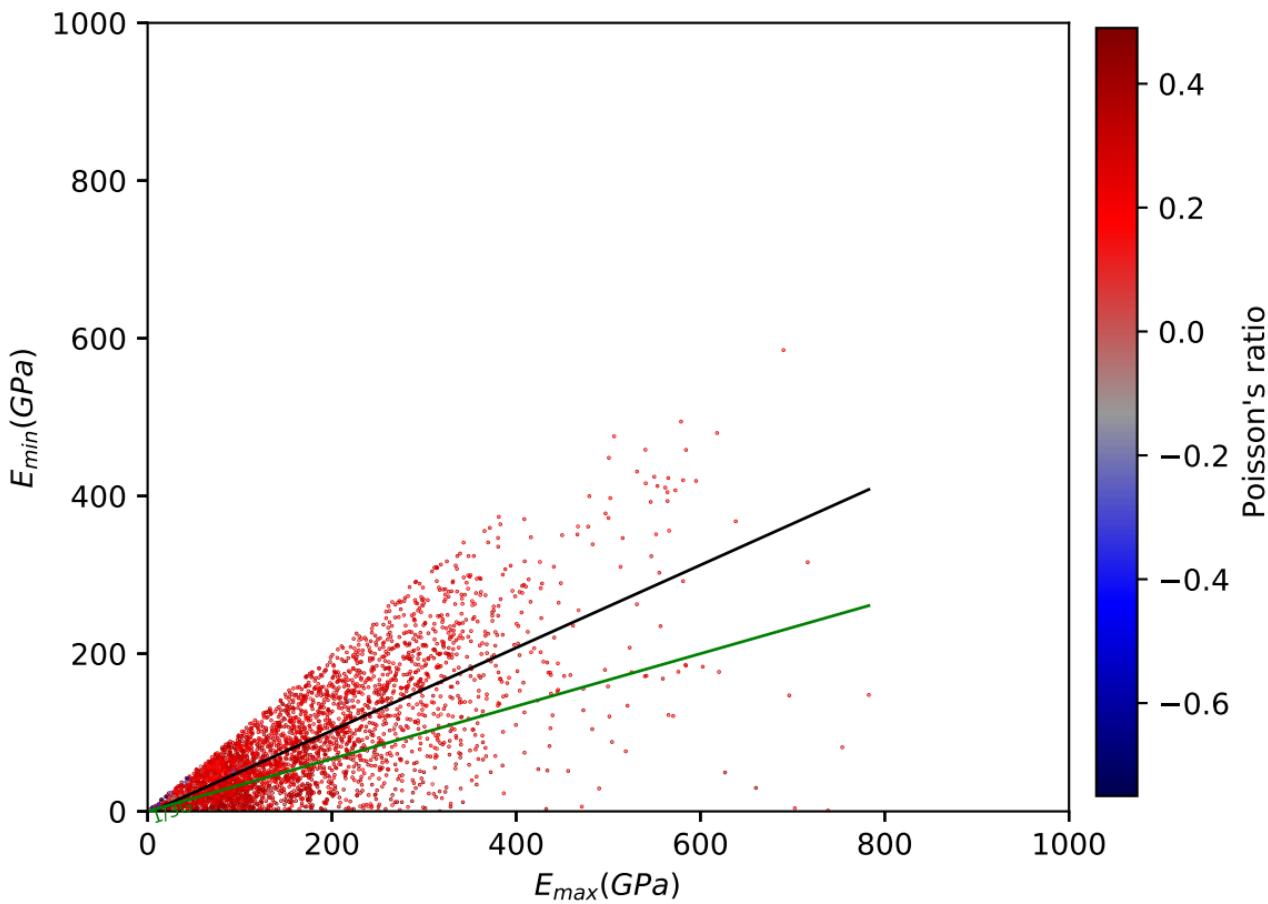
$K_{\text{voigt Reuss Hill}}(\text{GPa})$ 

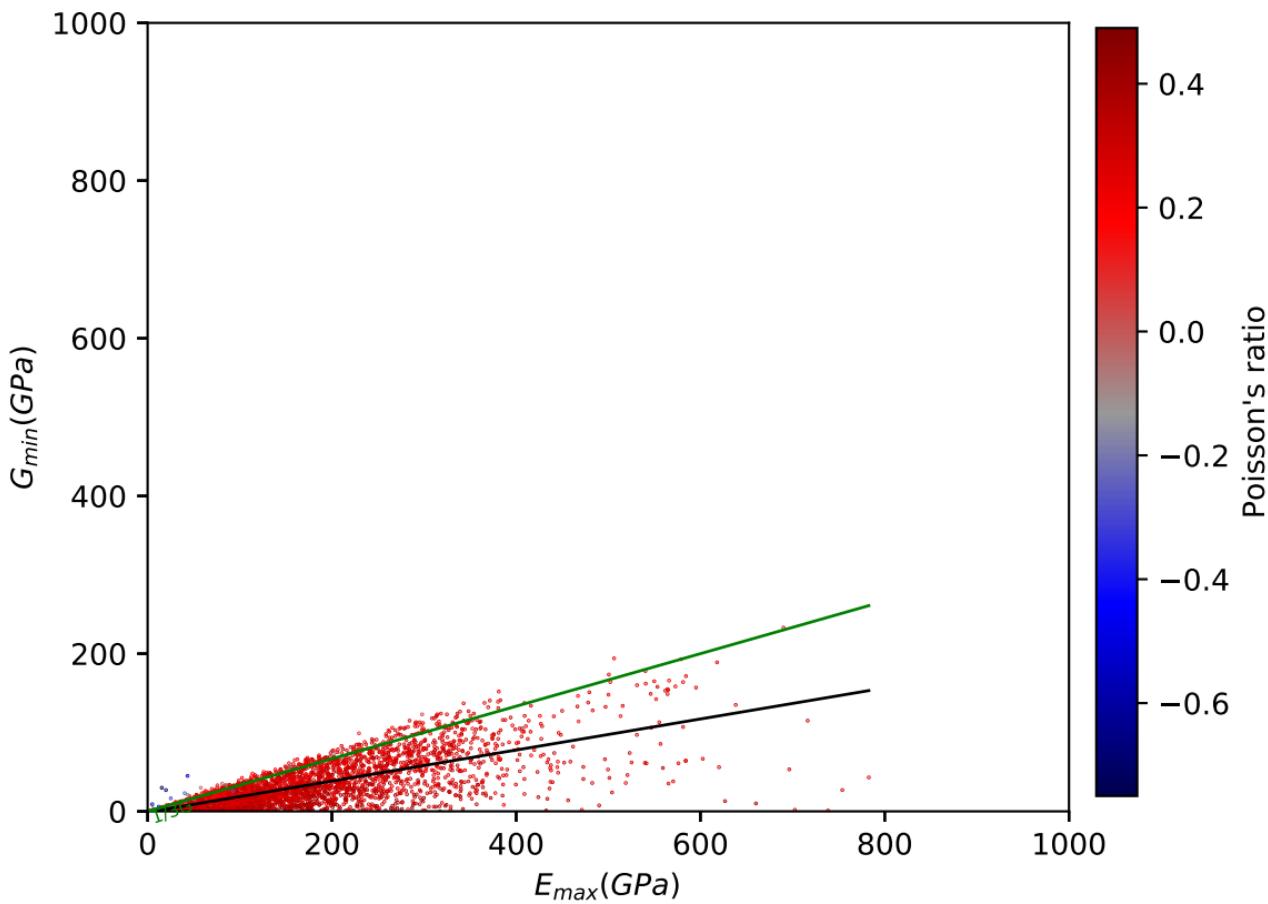


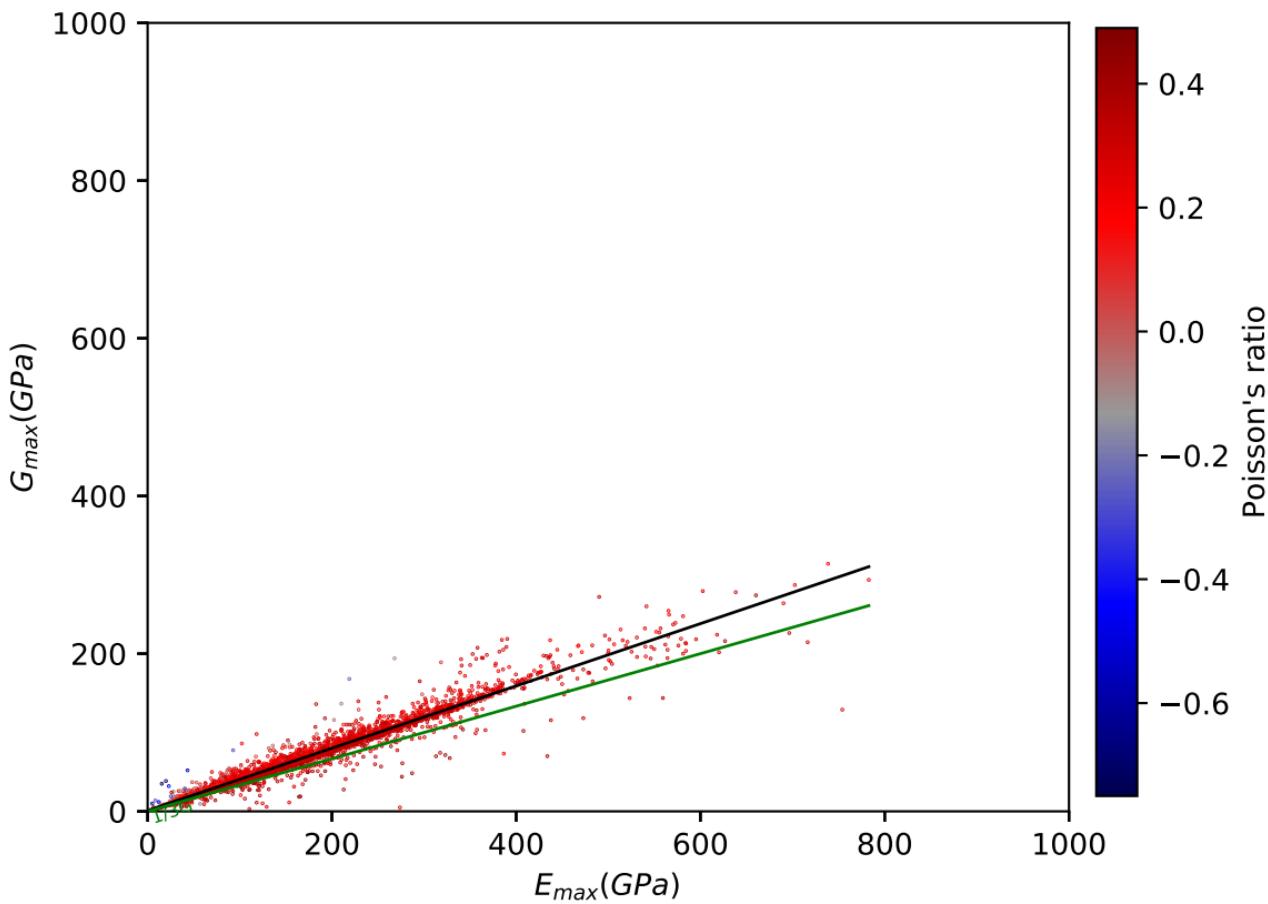


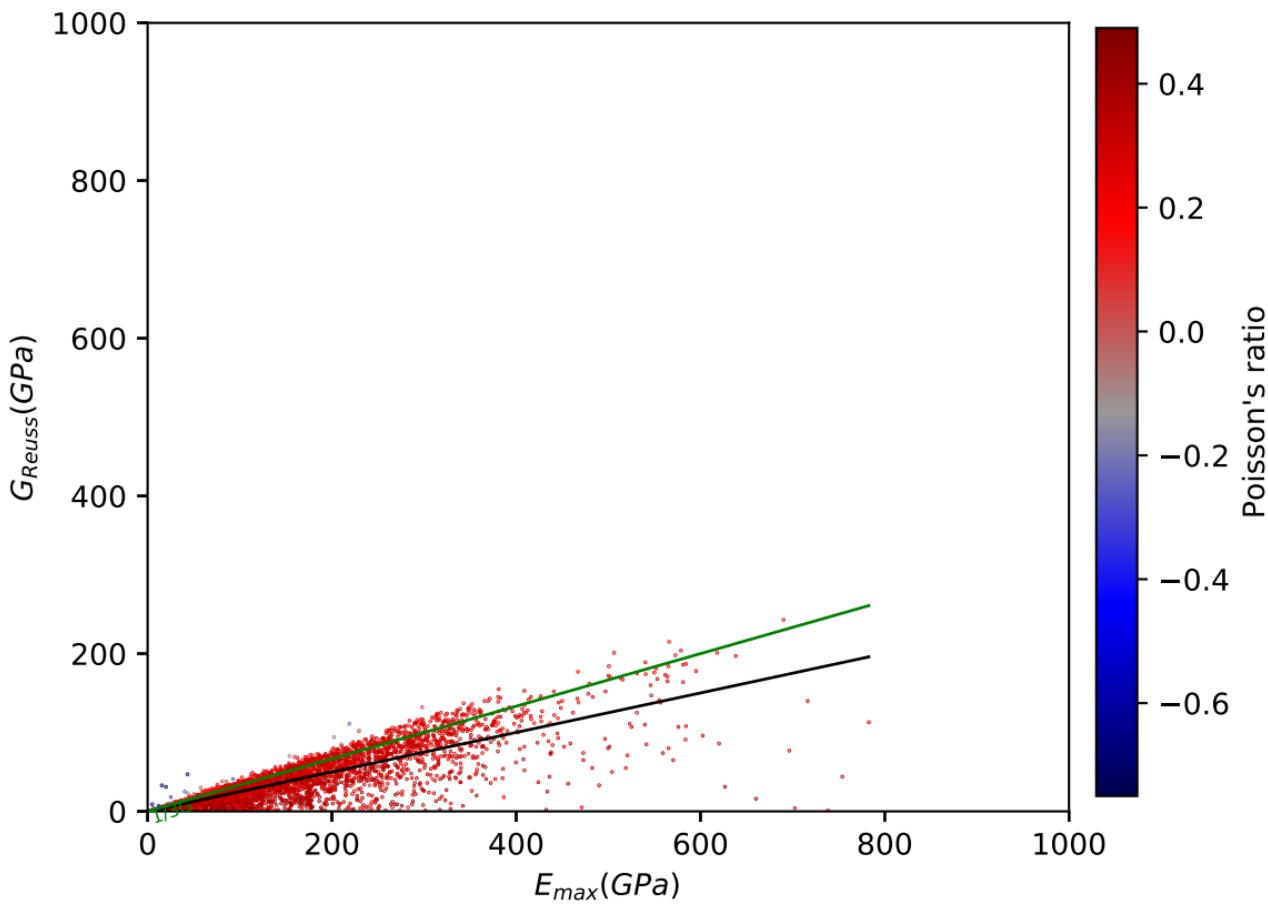


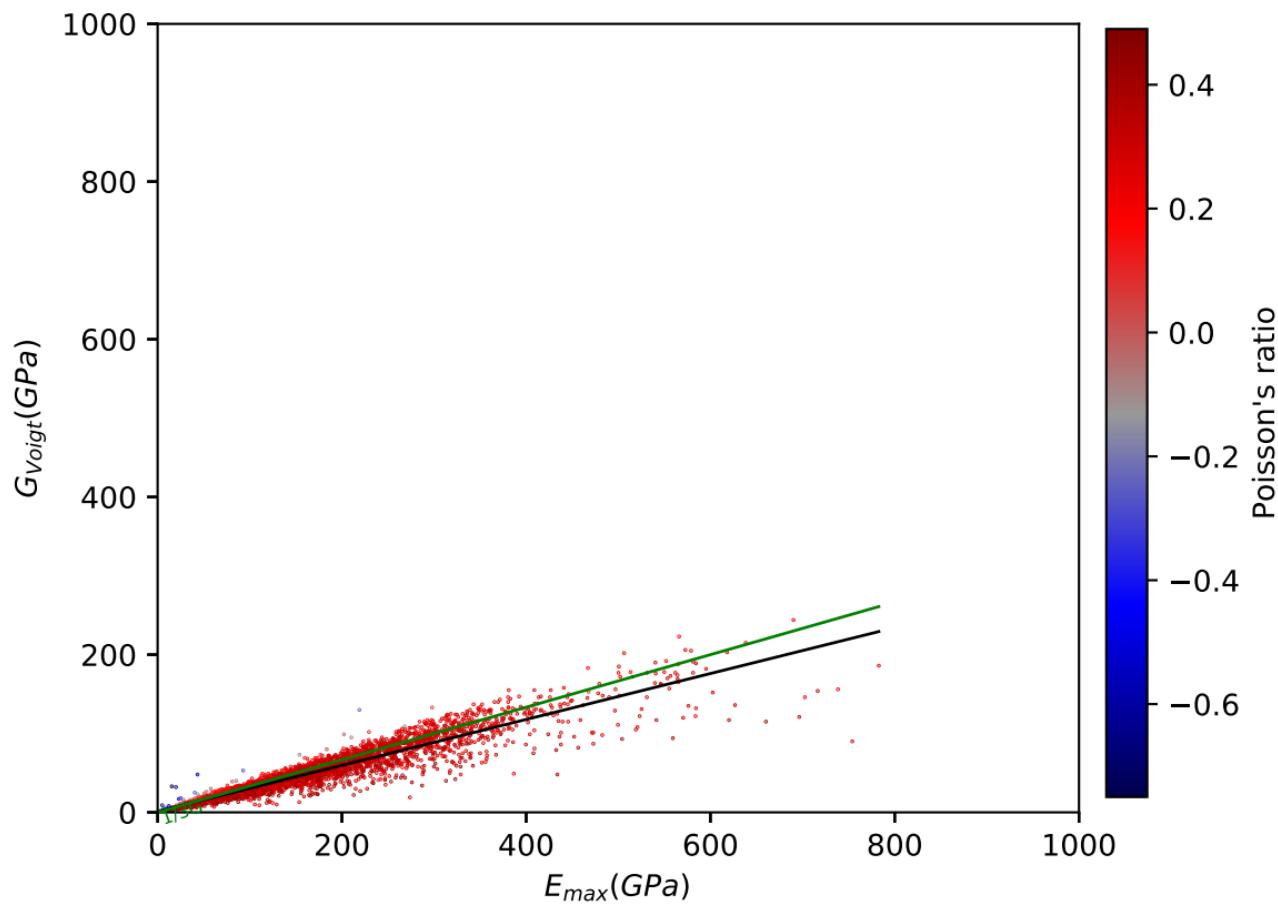


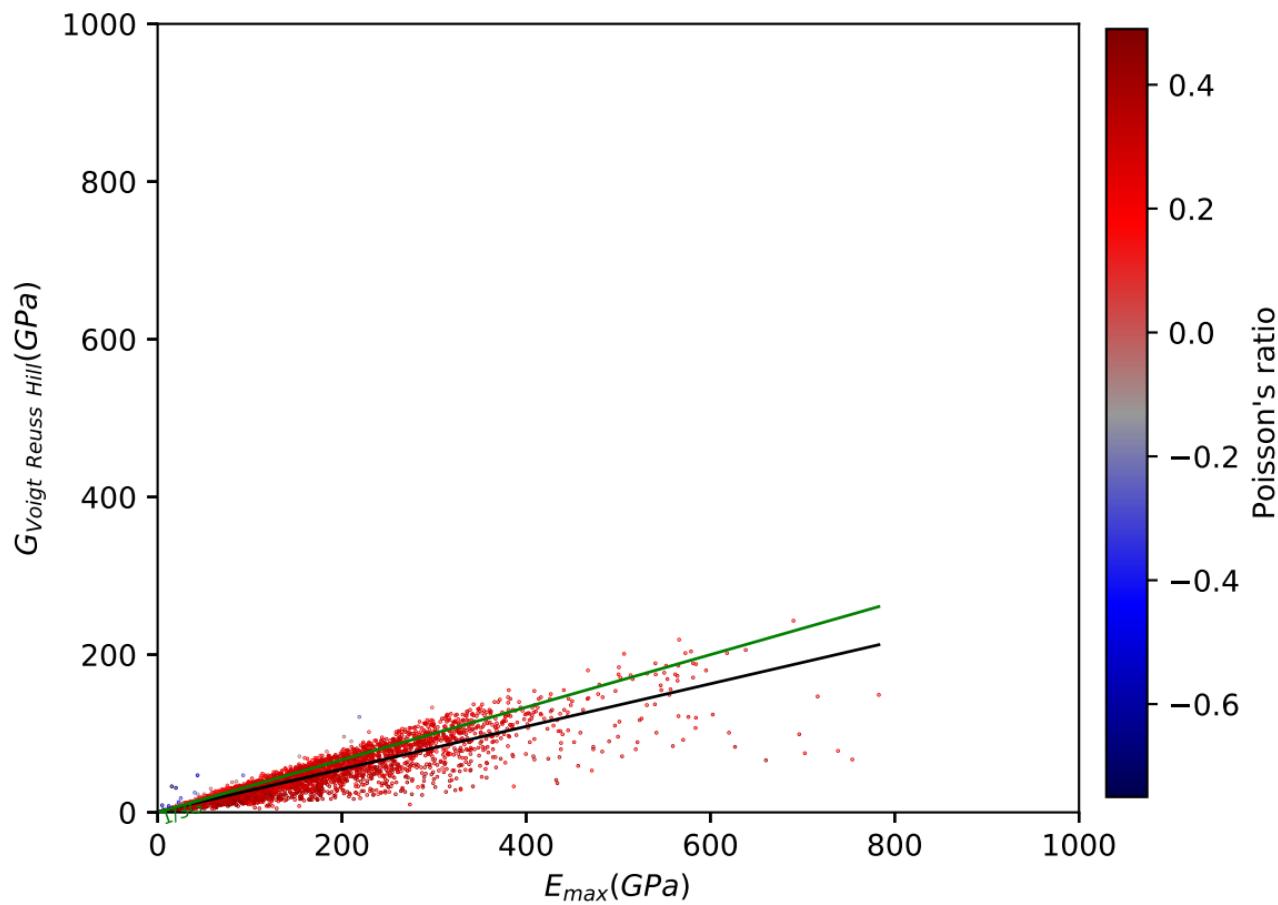


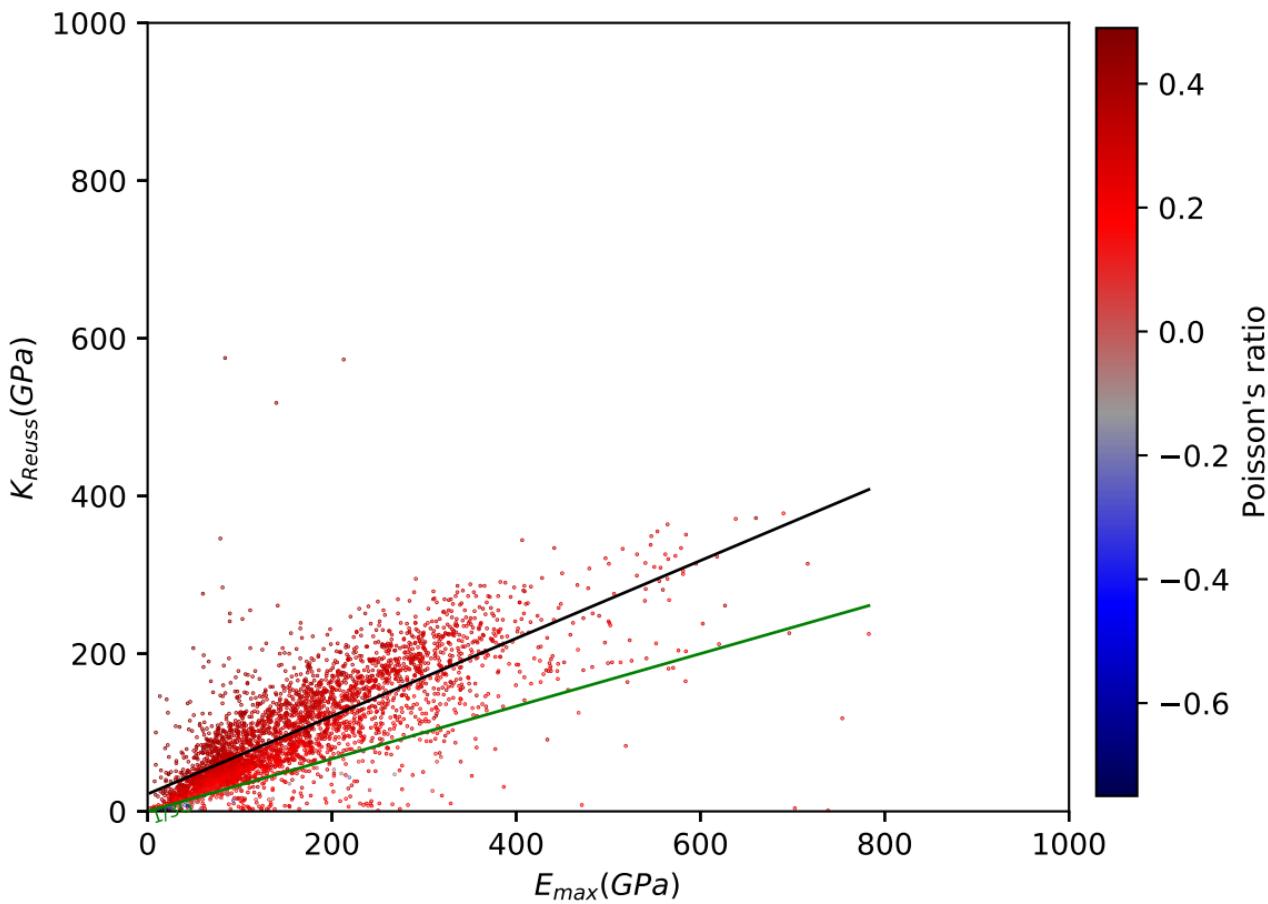


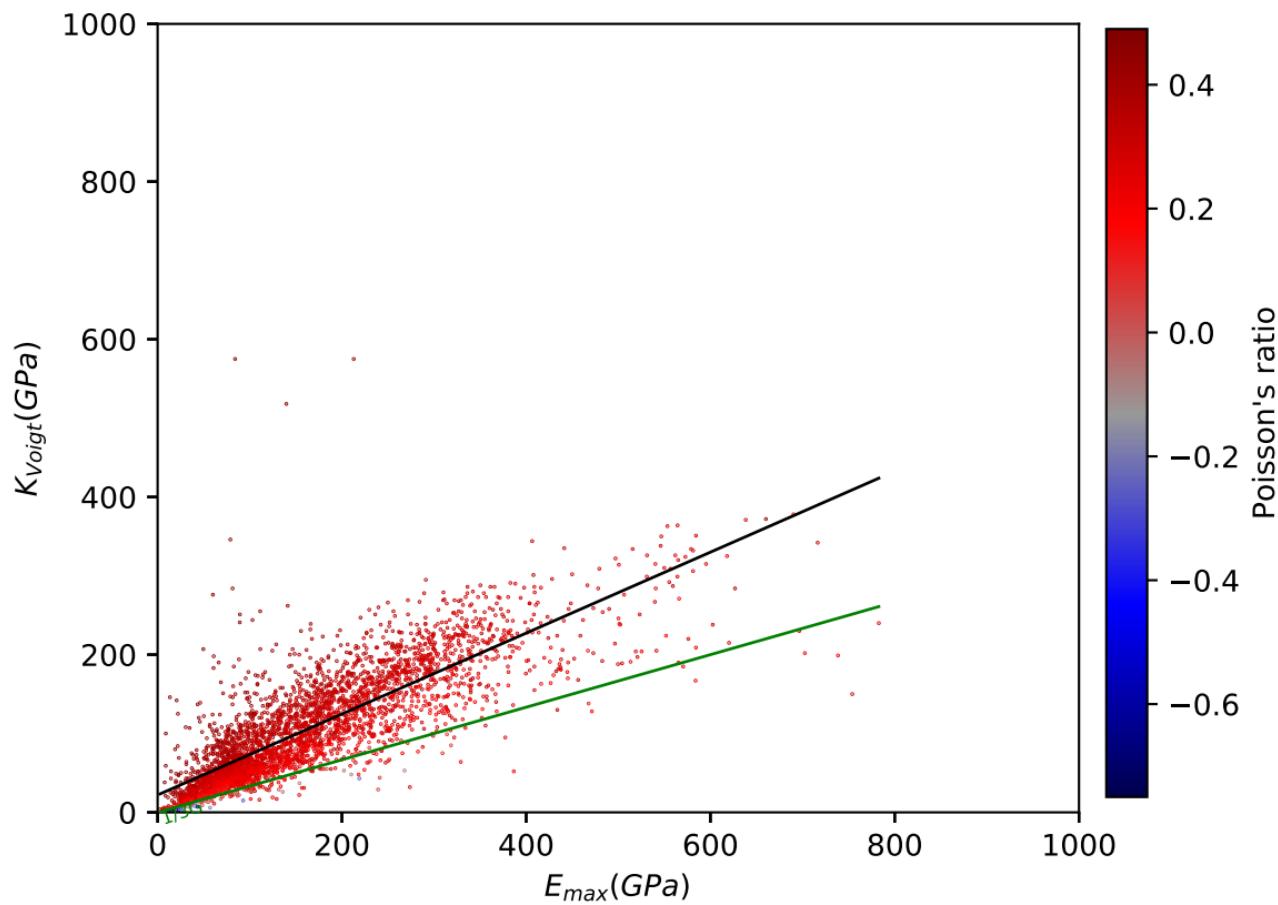


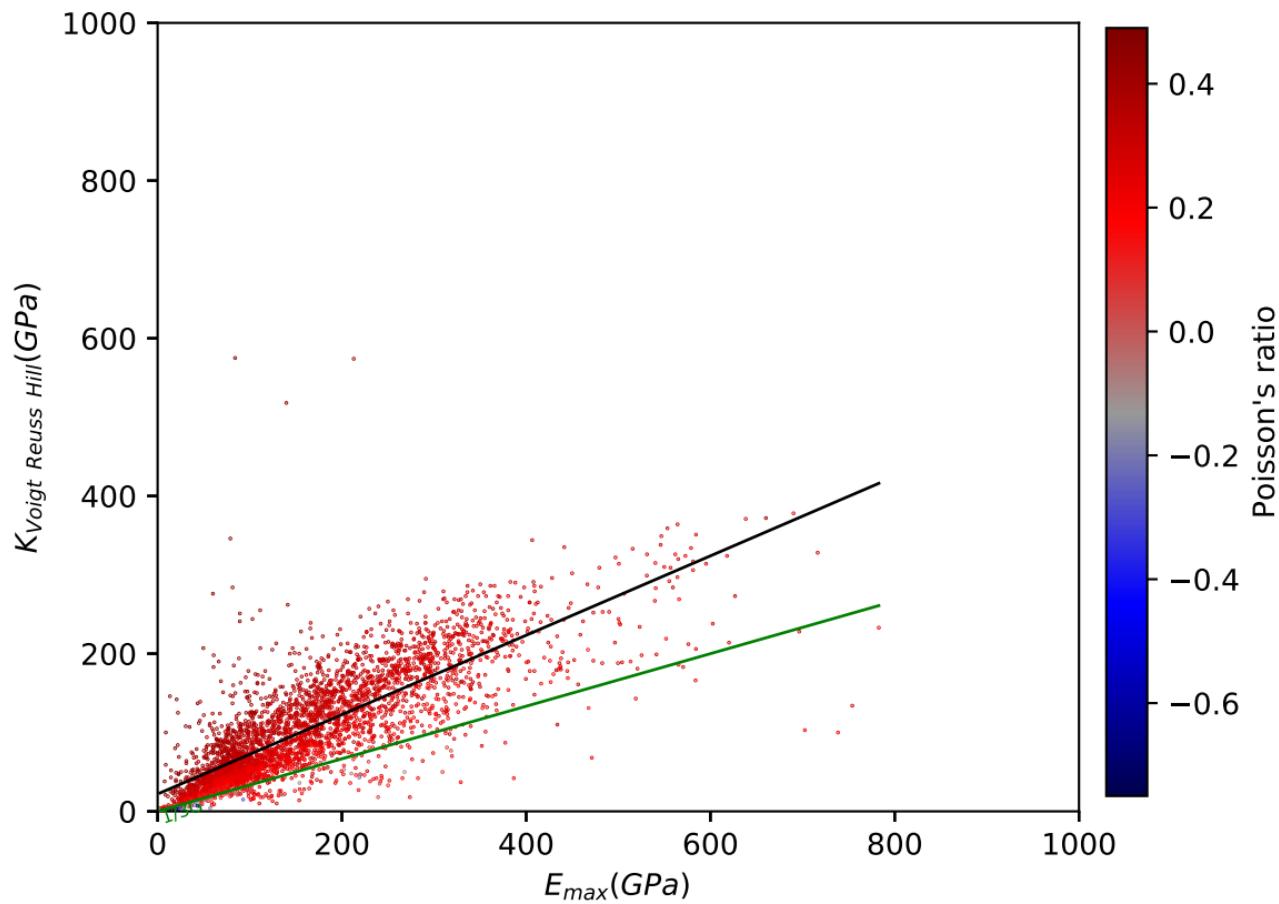


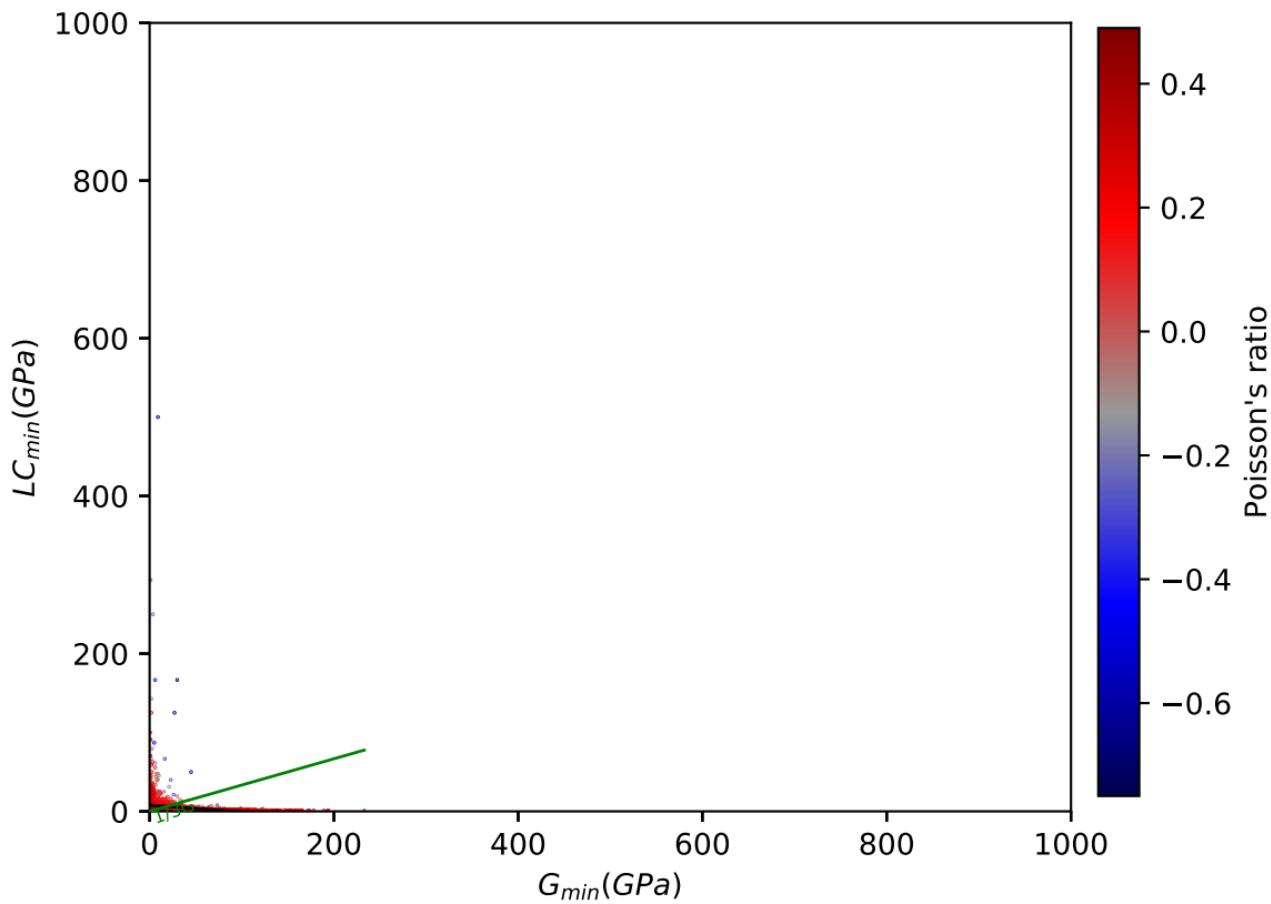


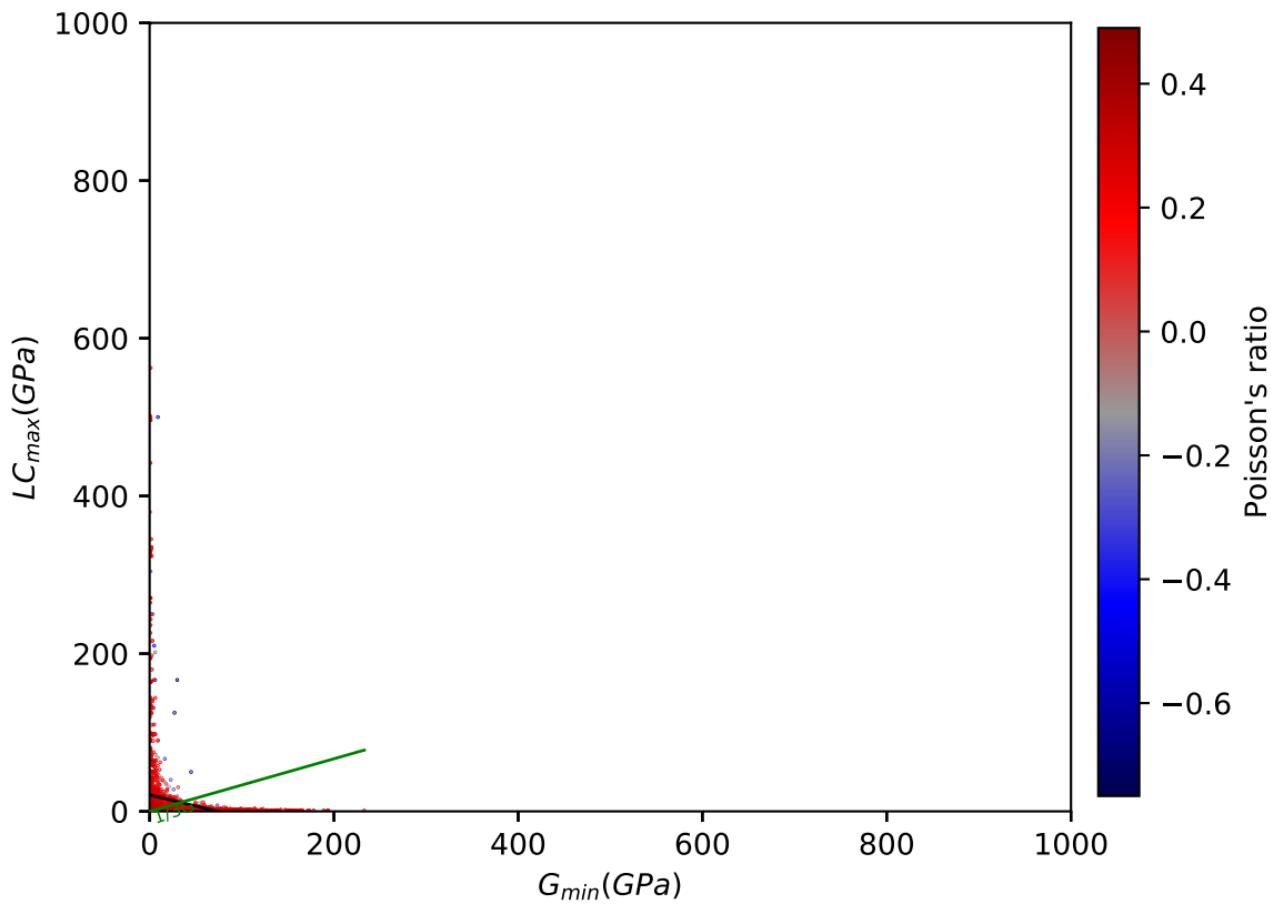


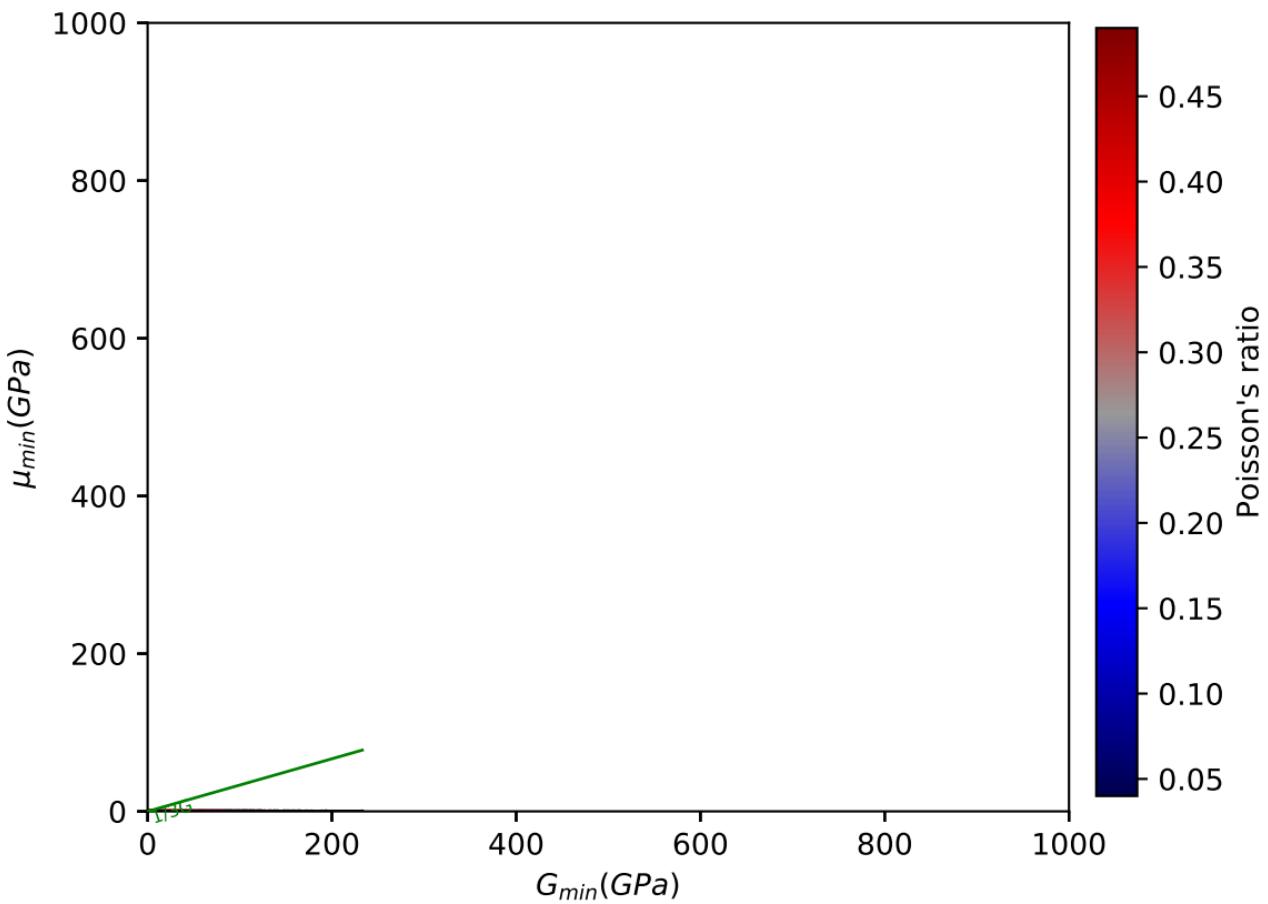


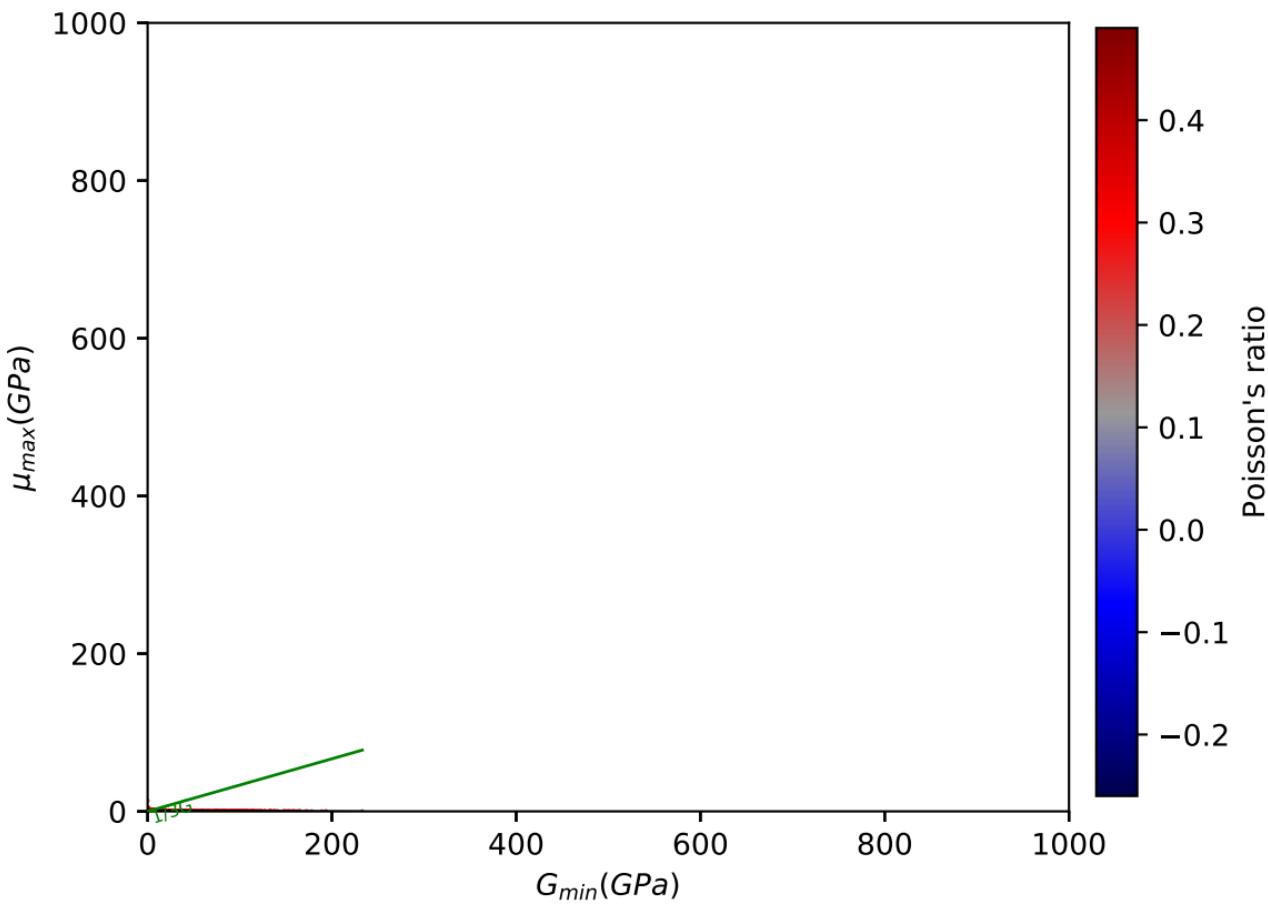


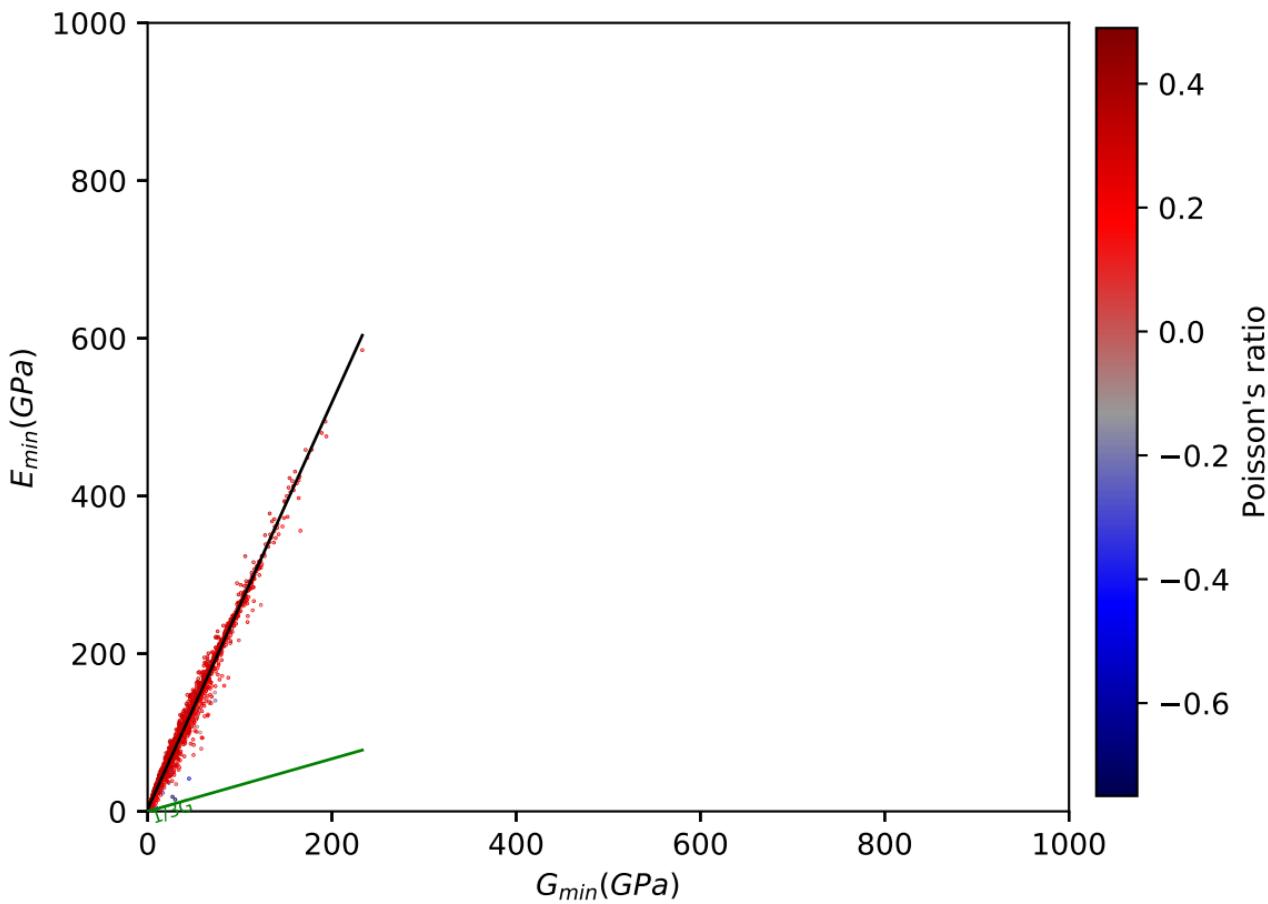


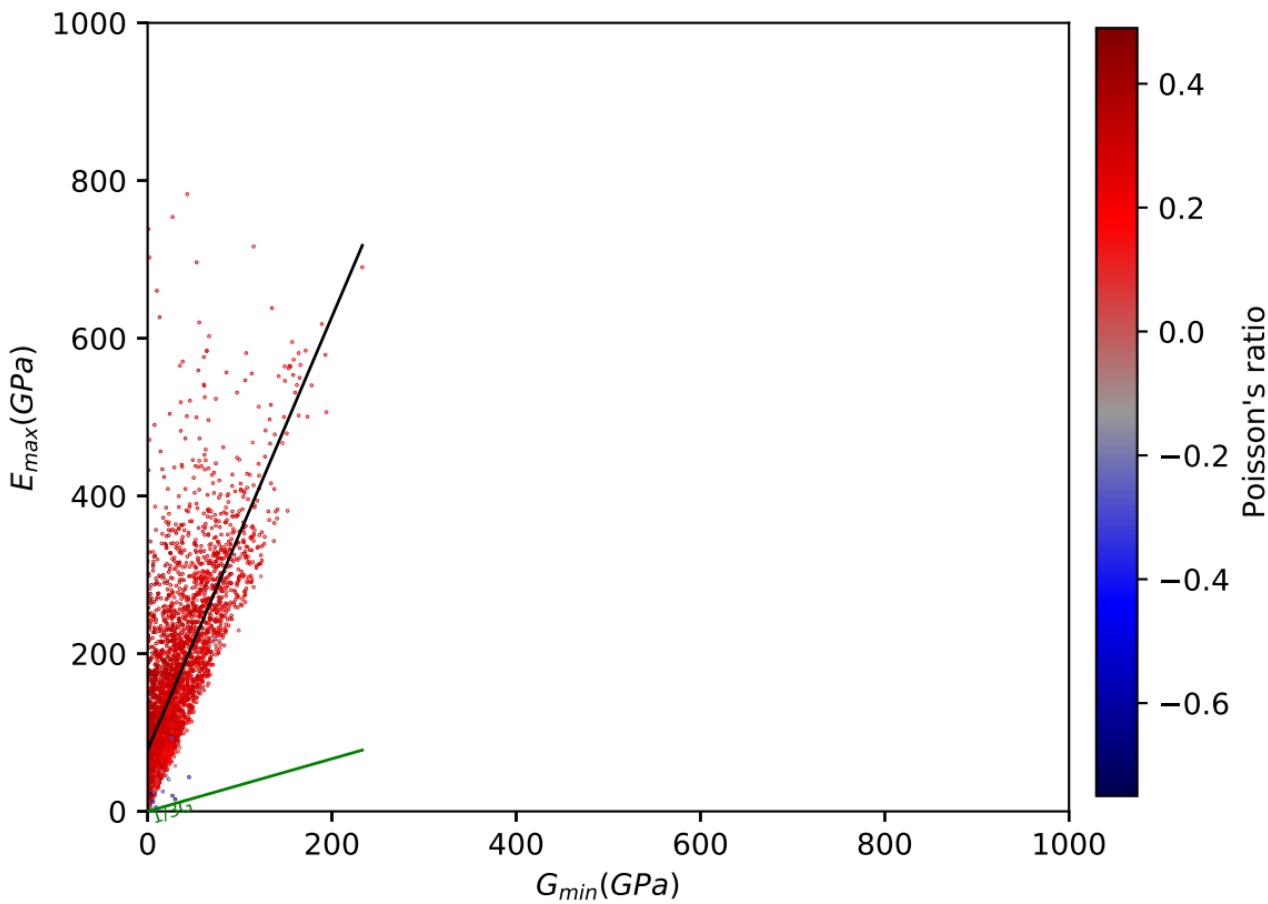


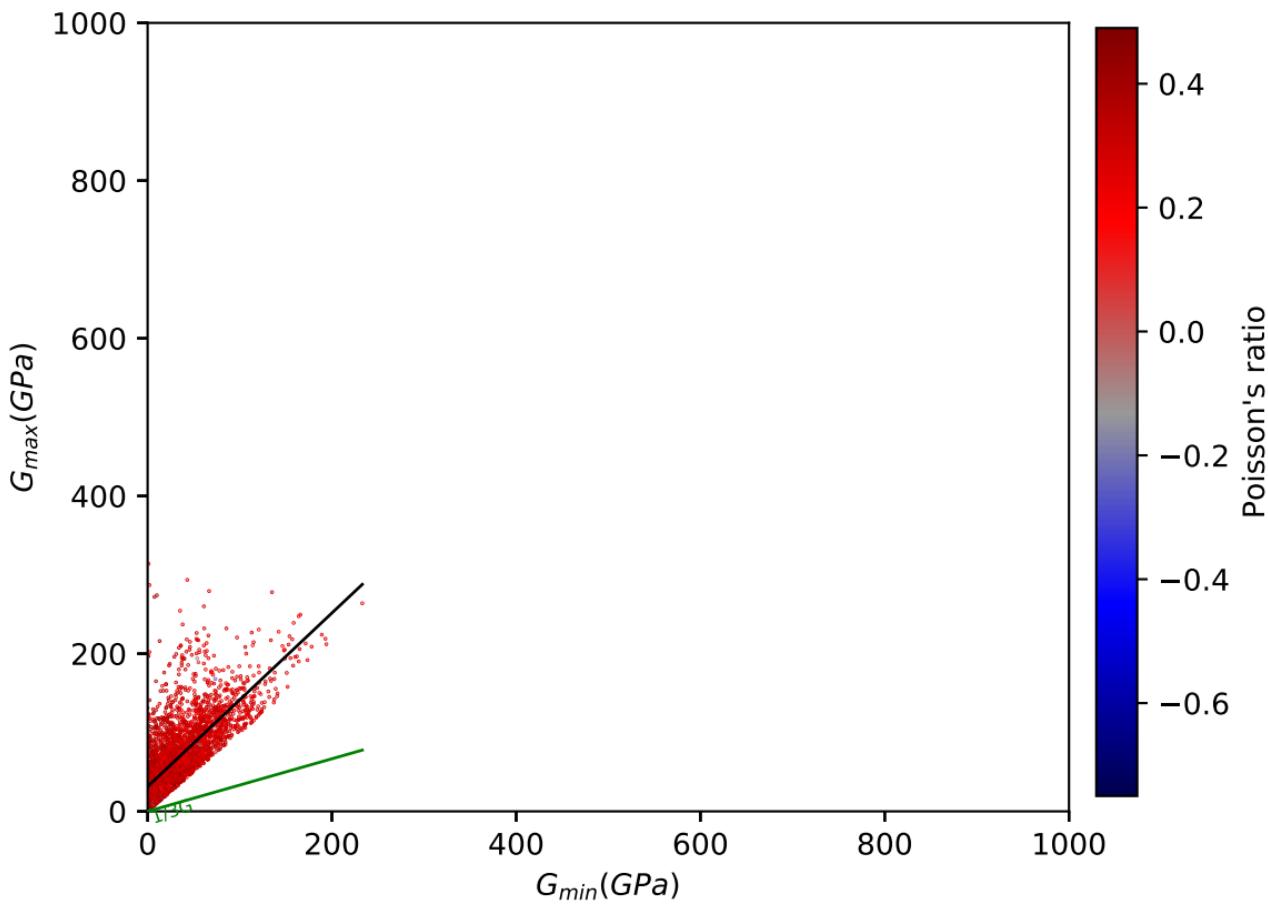


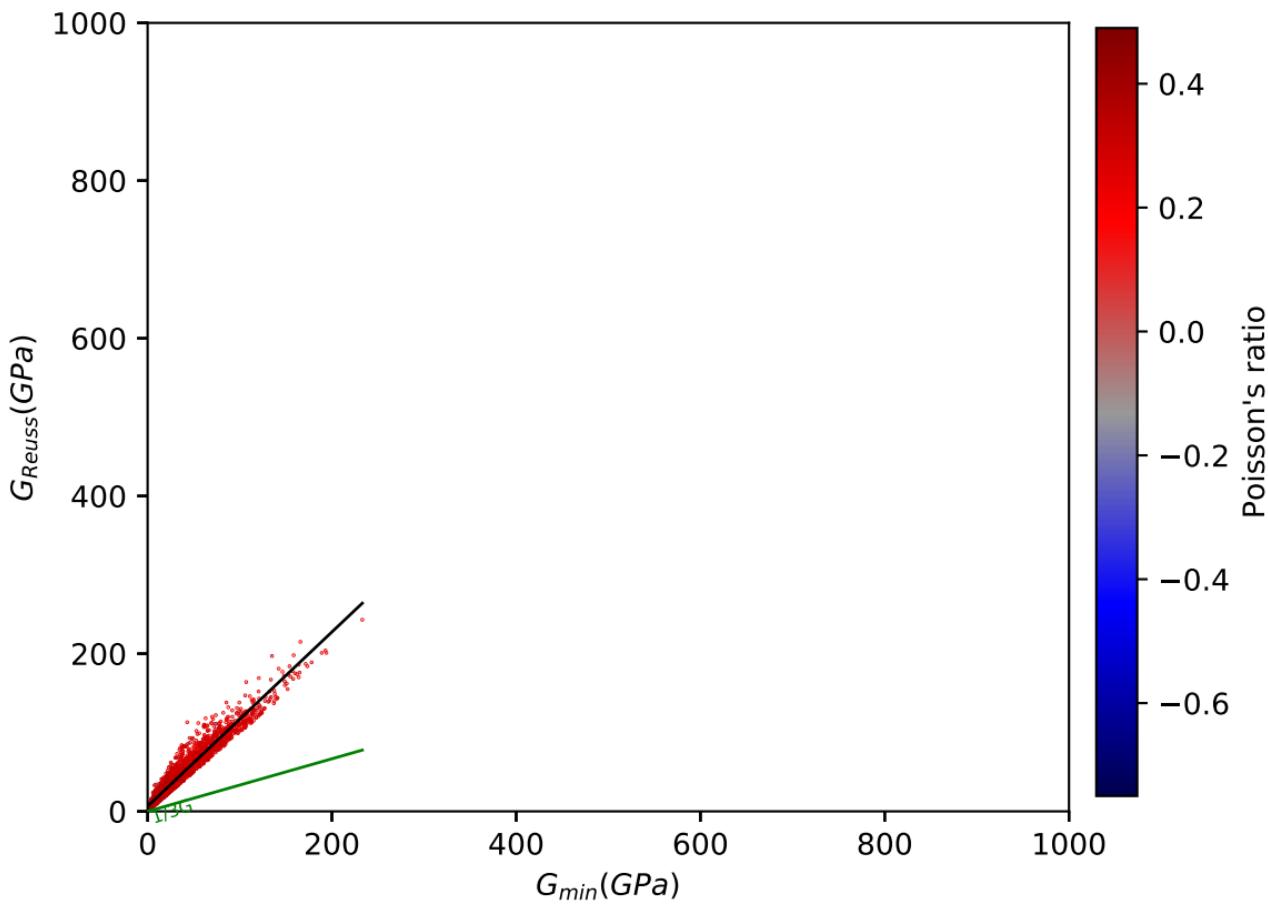


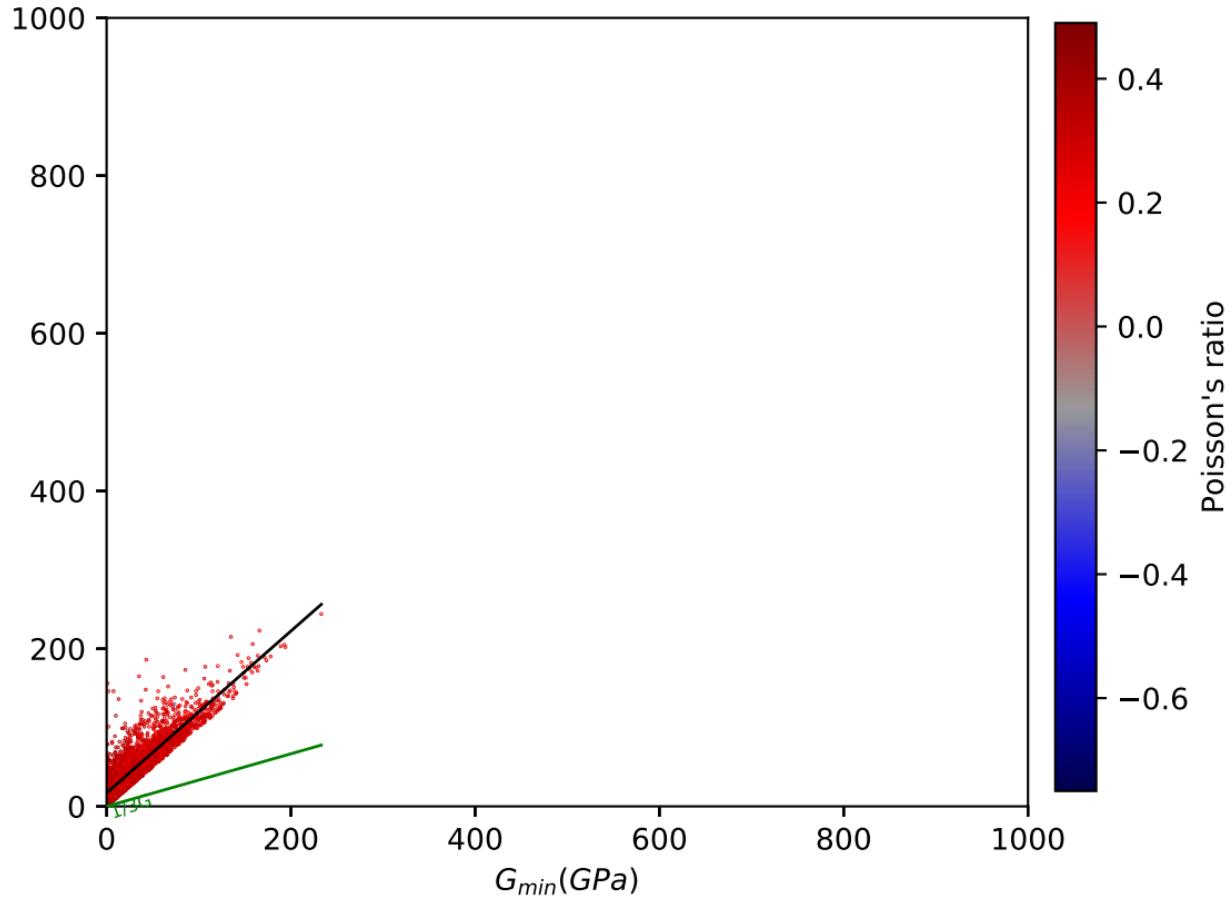


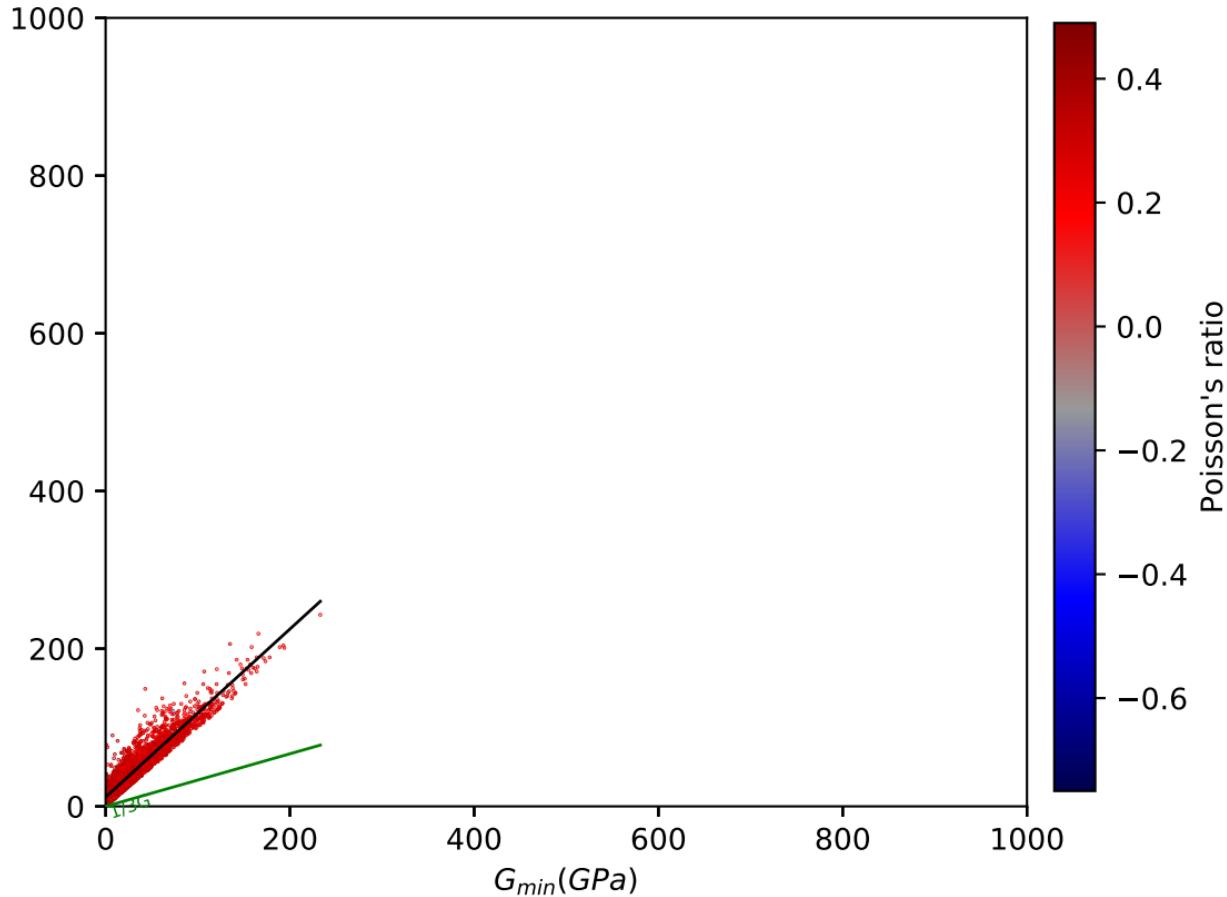


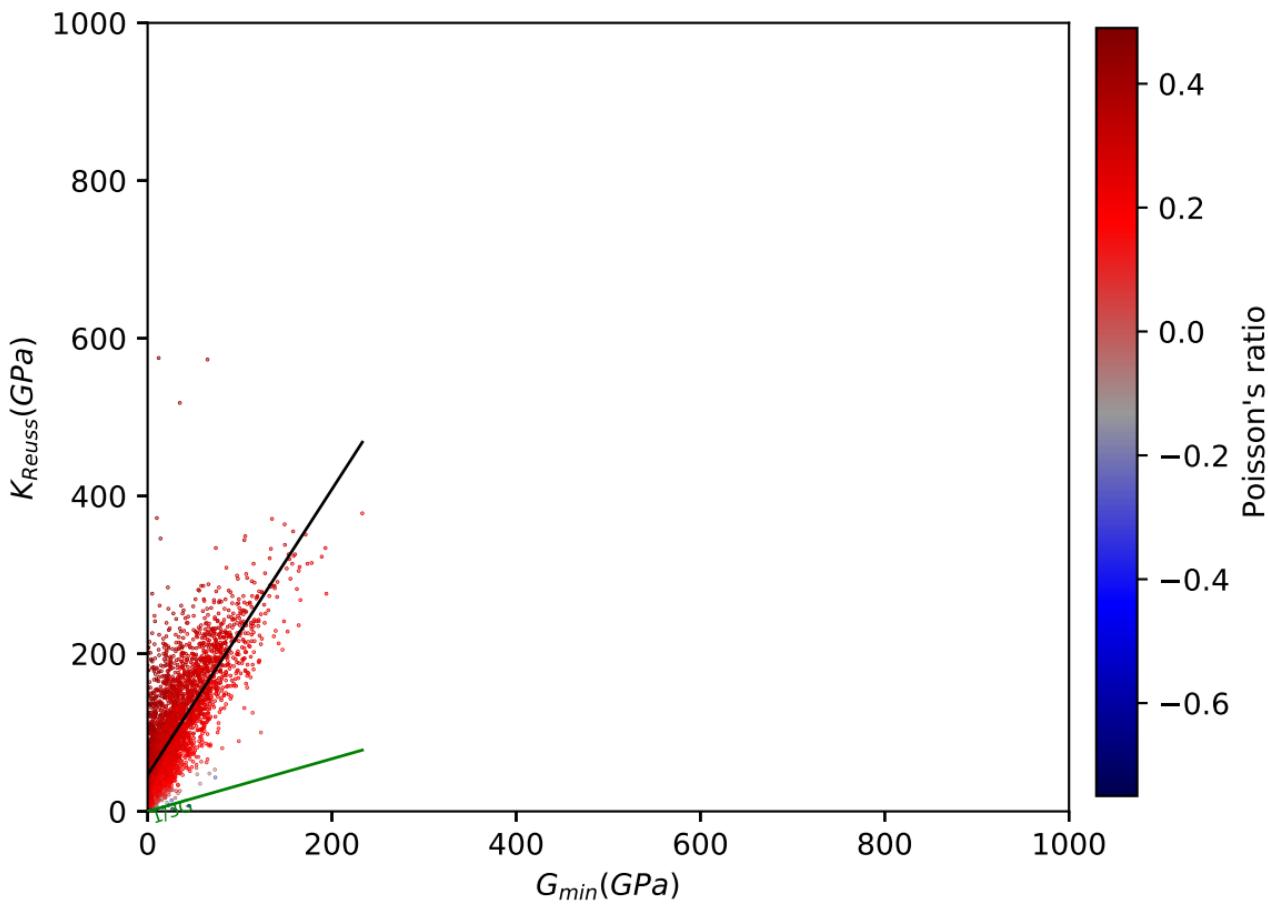


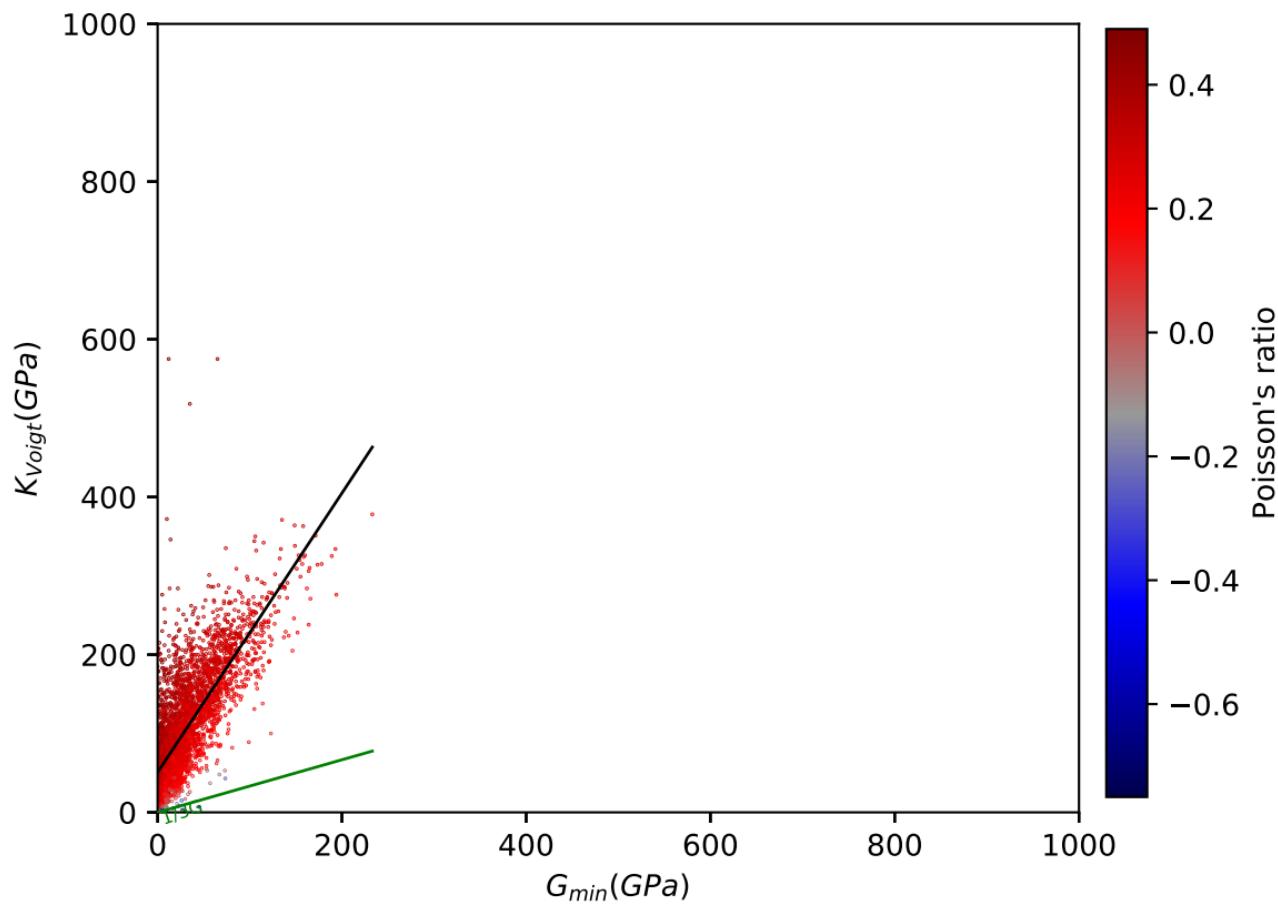


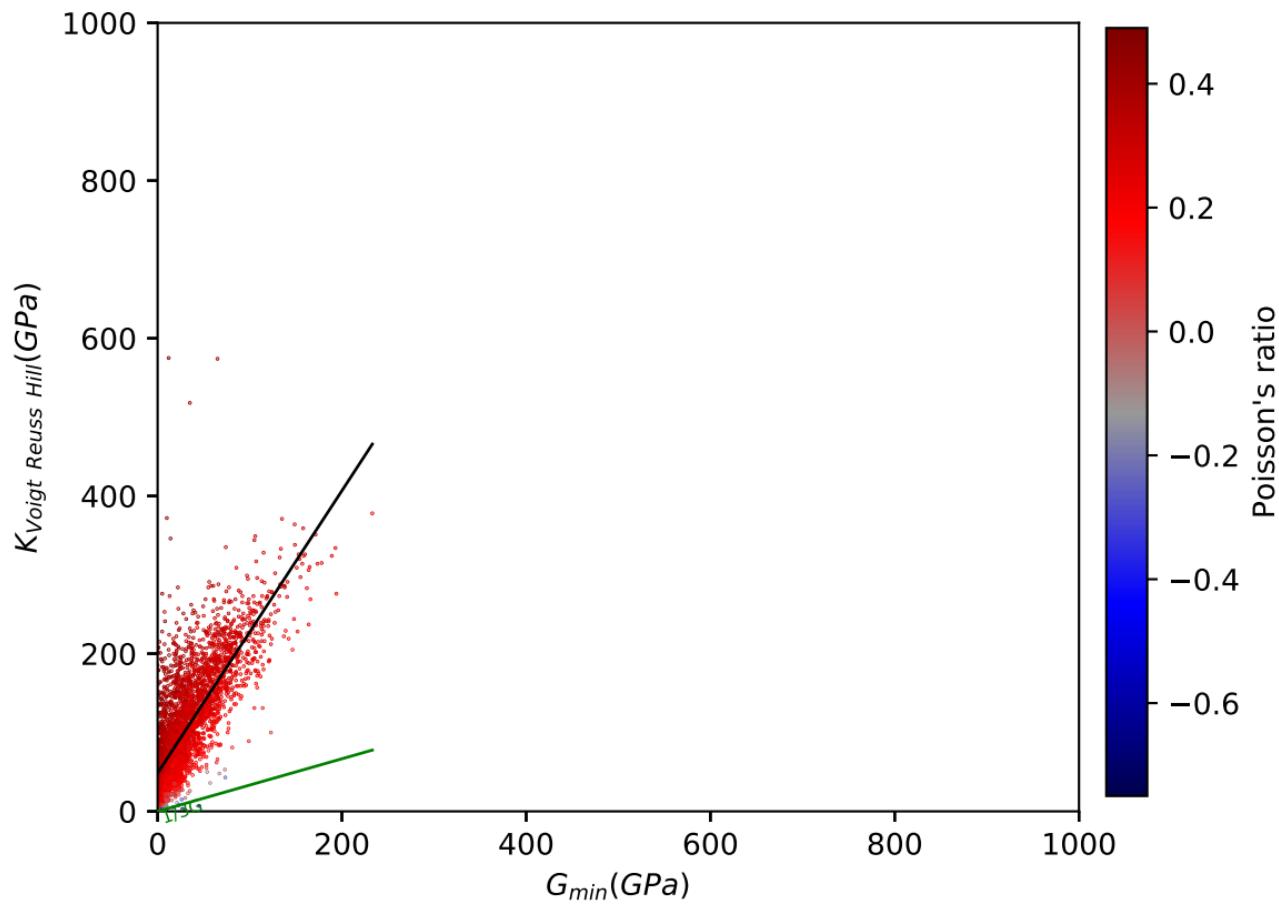


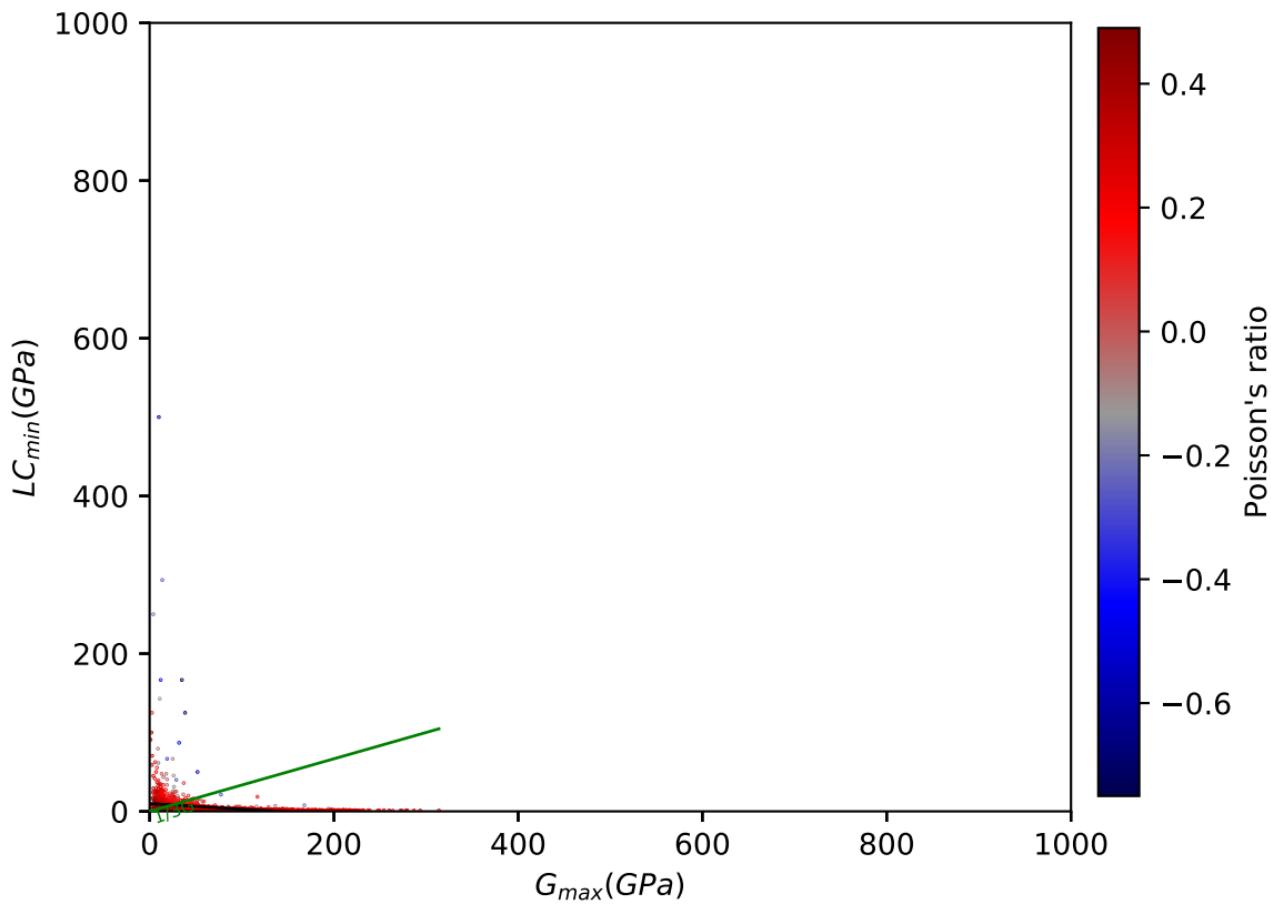
$G_{Vogt}(GPa)$ 

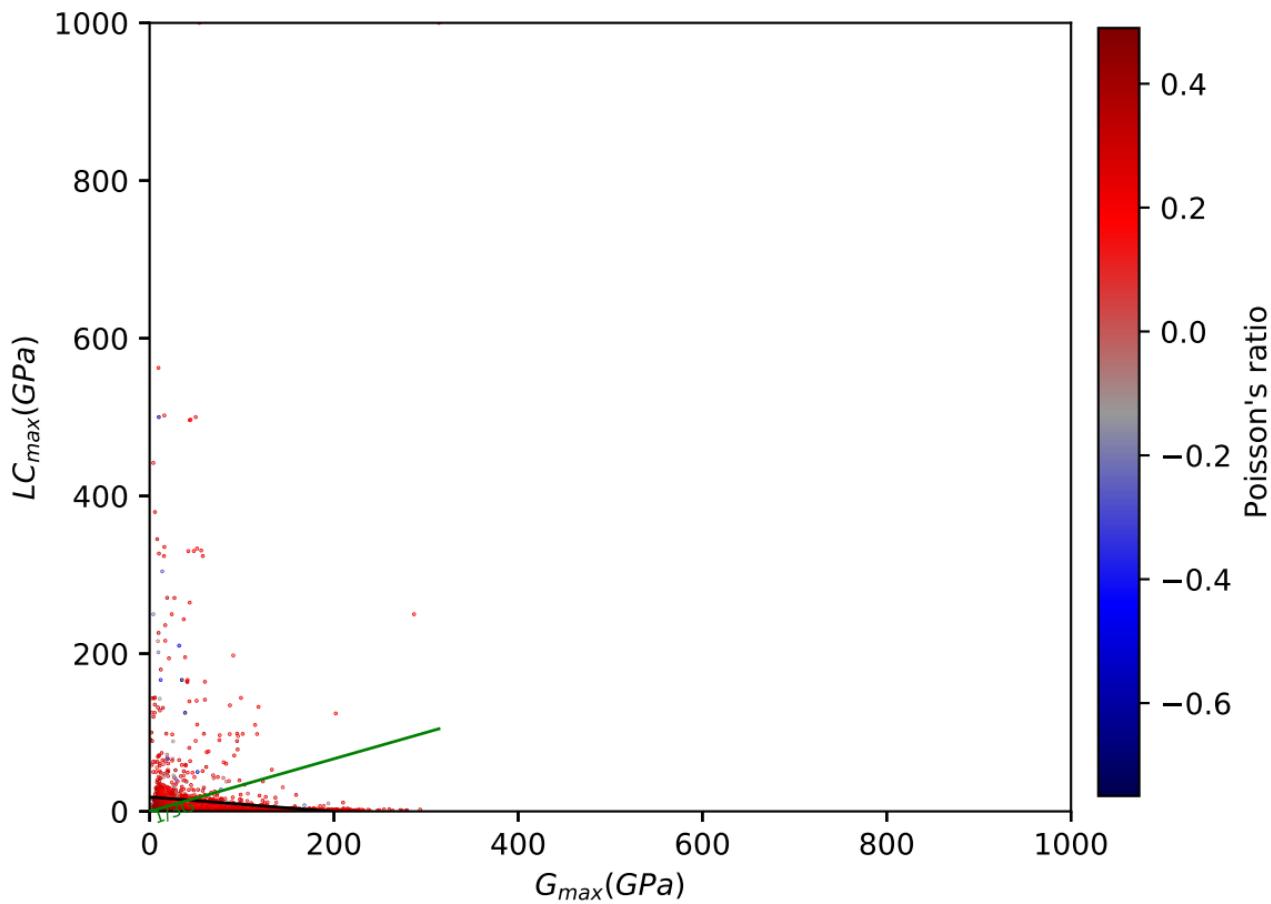
$G_{\text{Voigt Reuss Hill}}(\text{GPa})$ 

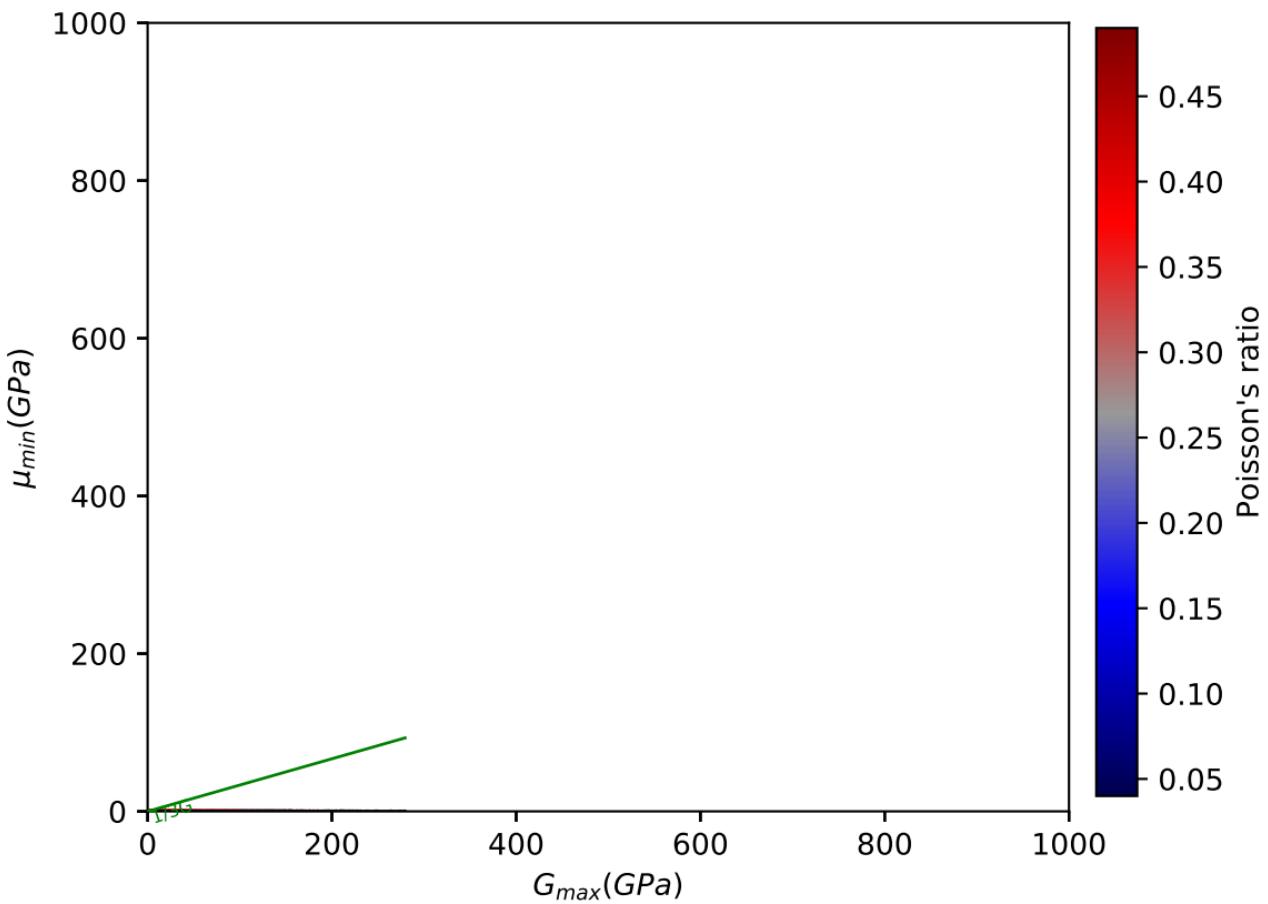


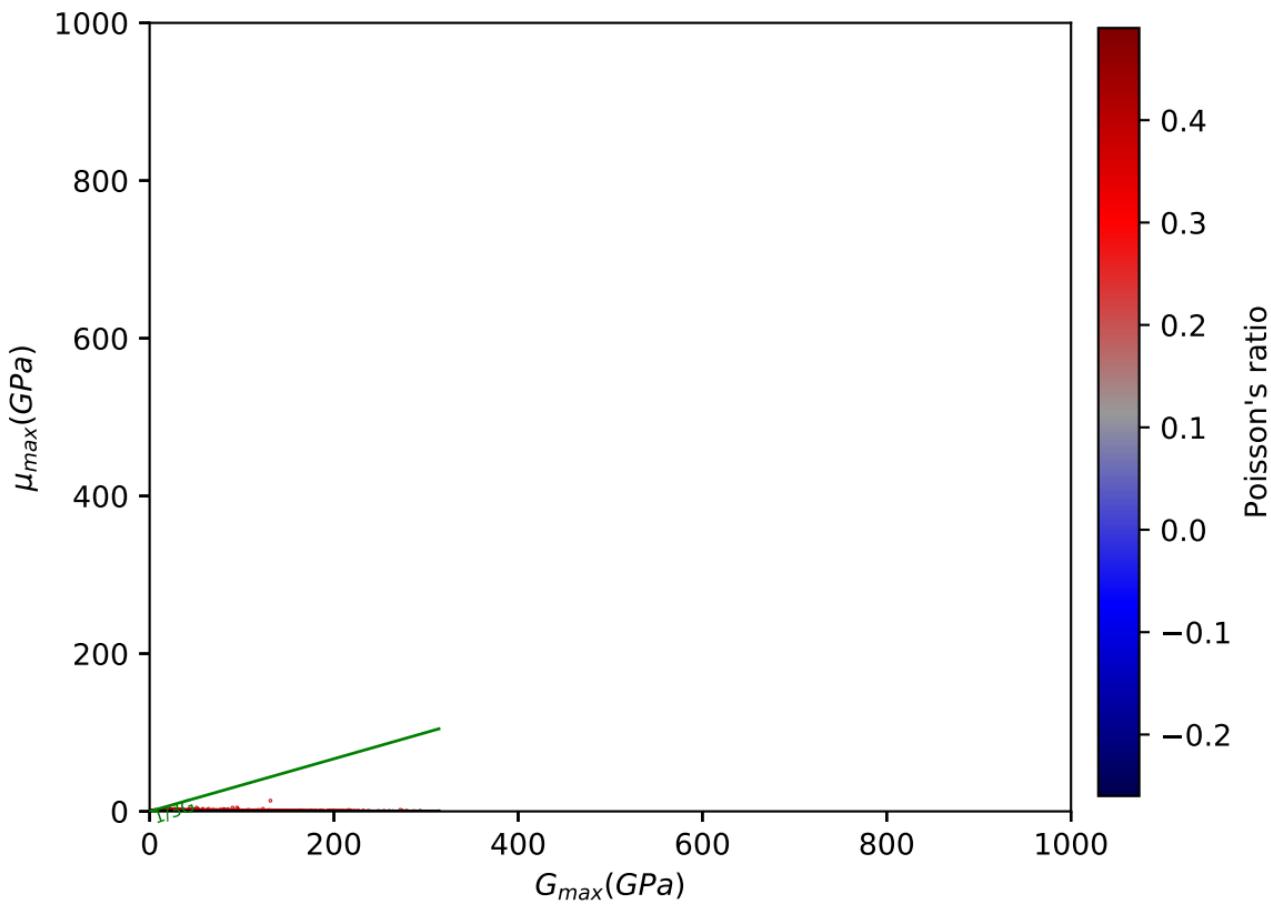


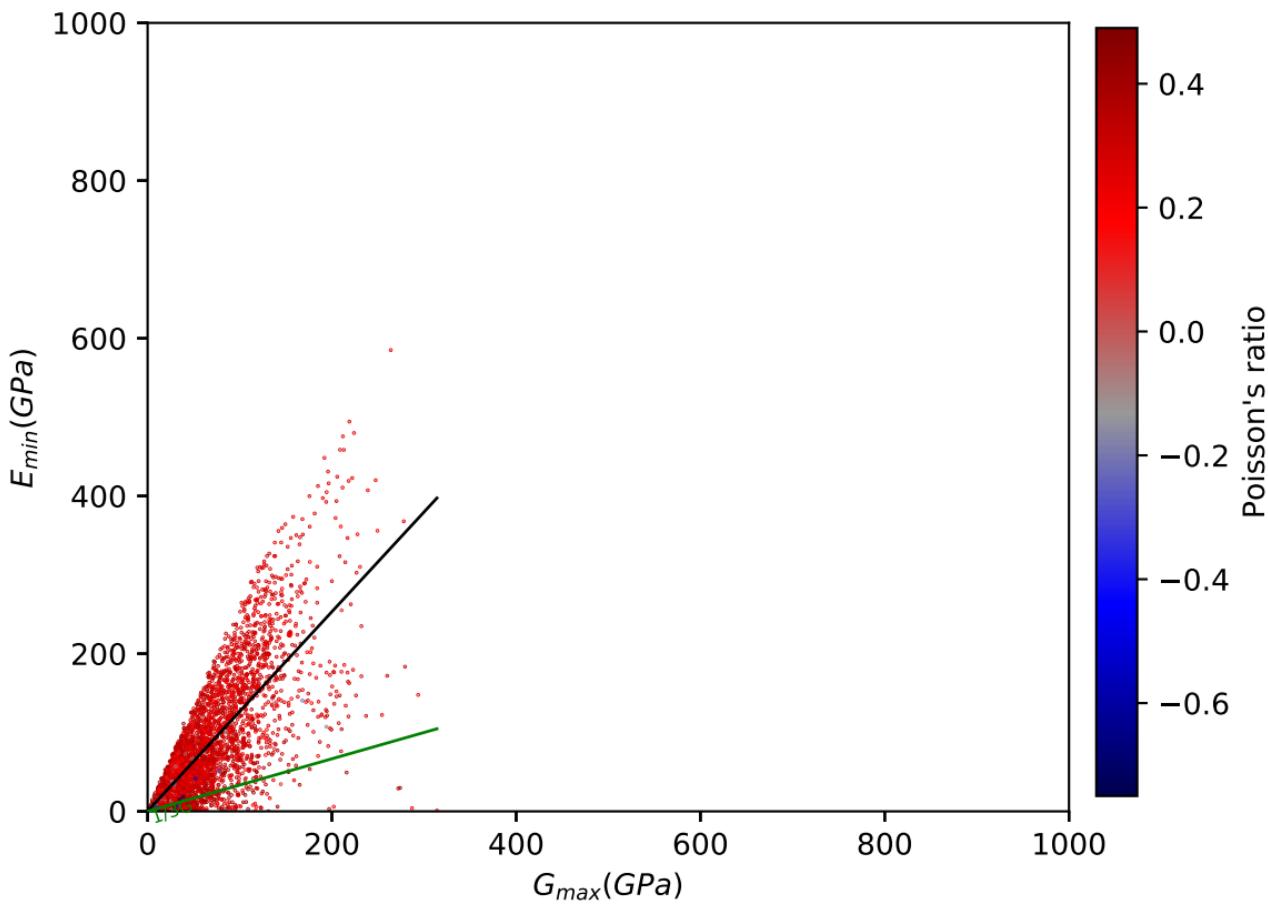


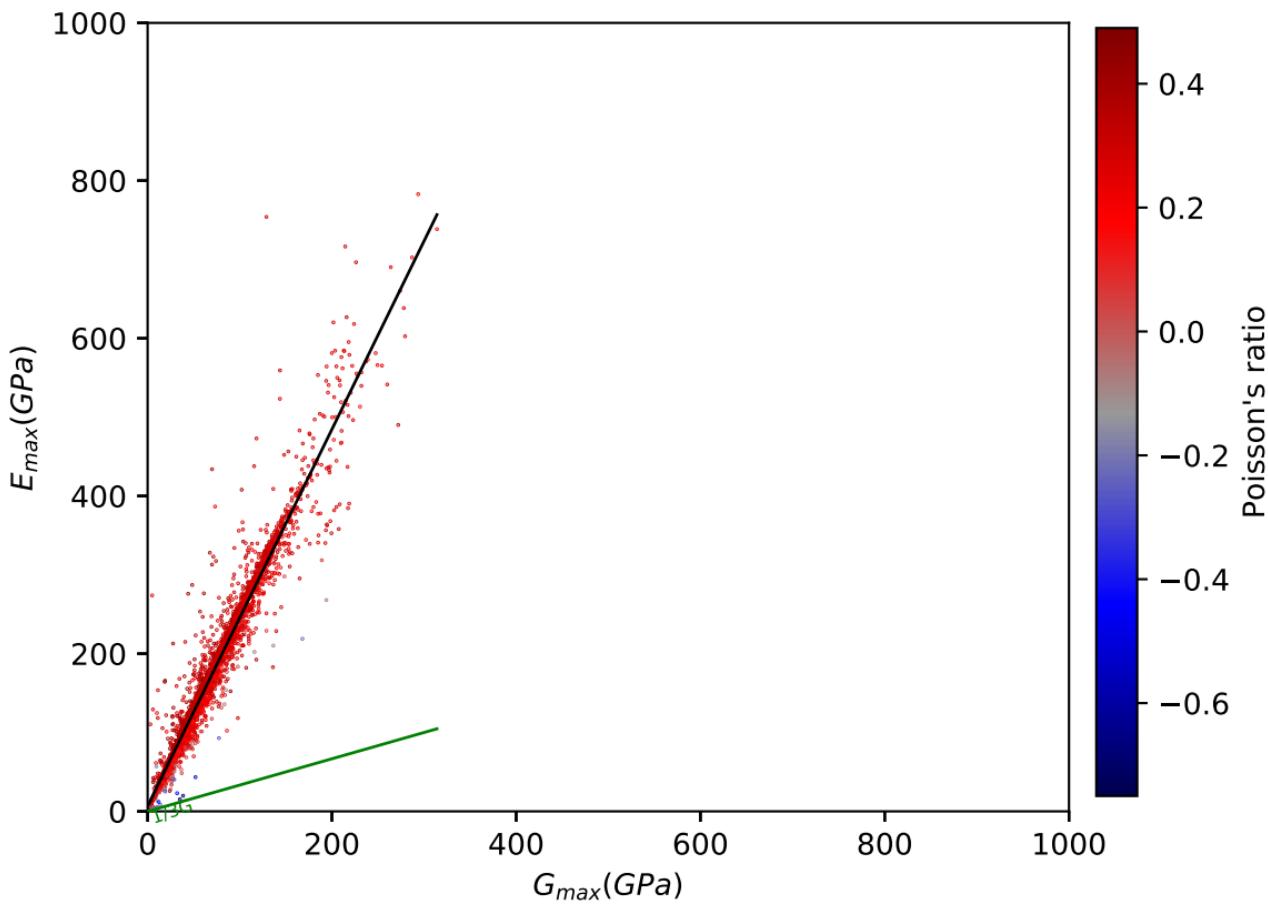


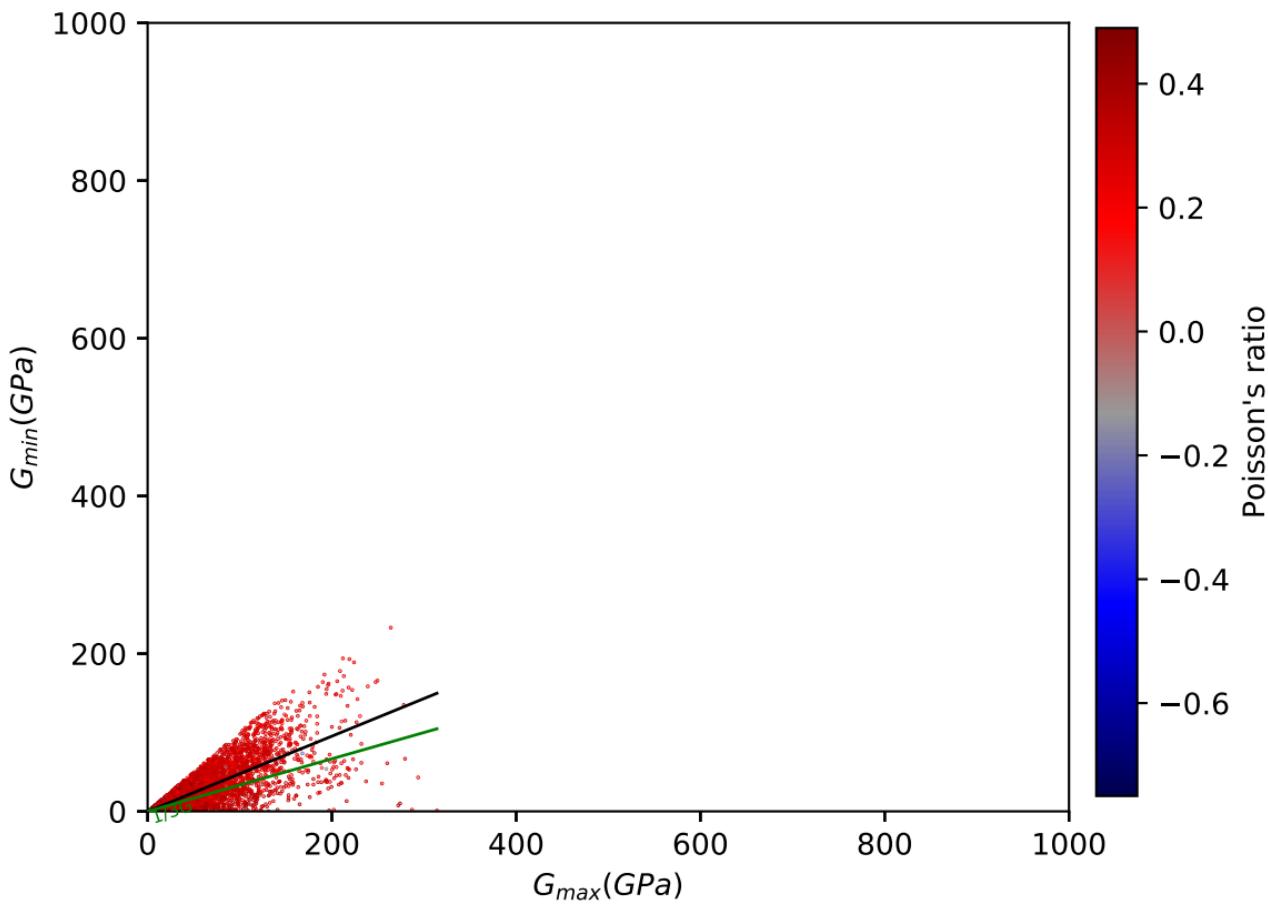


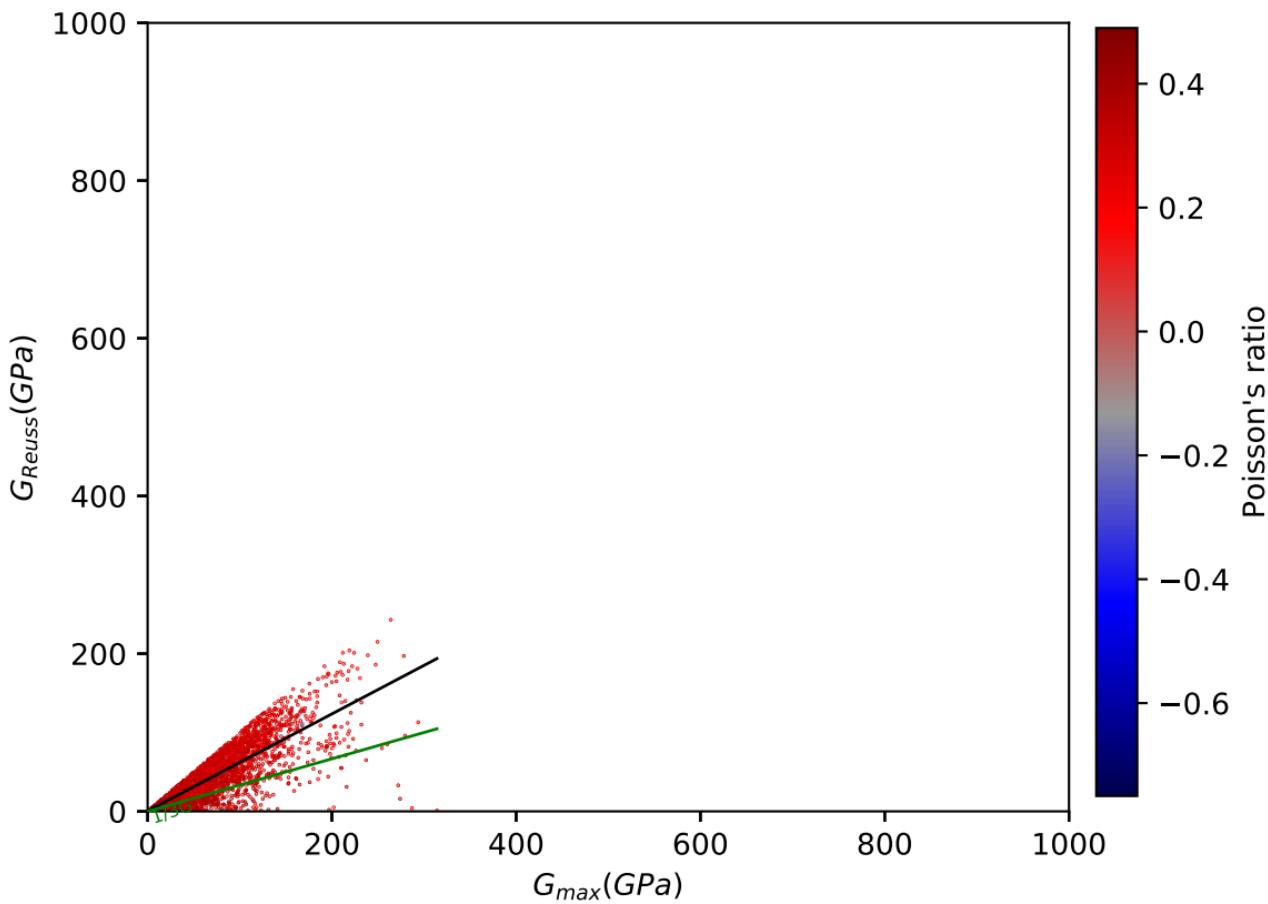


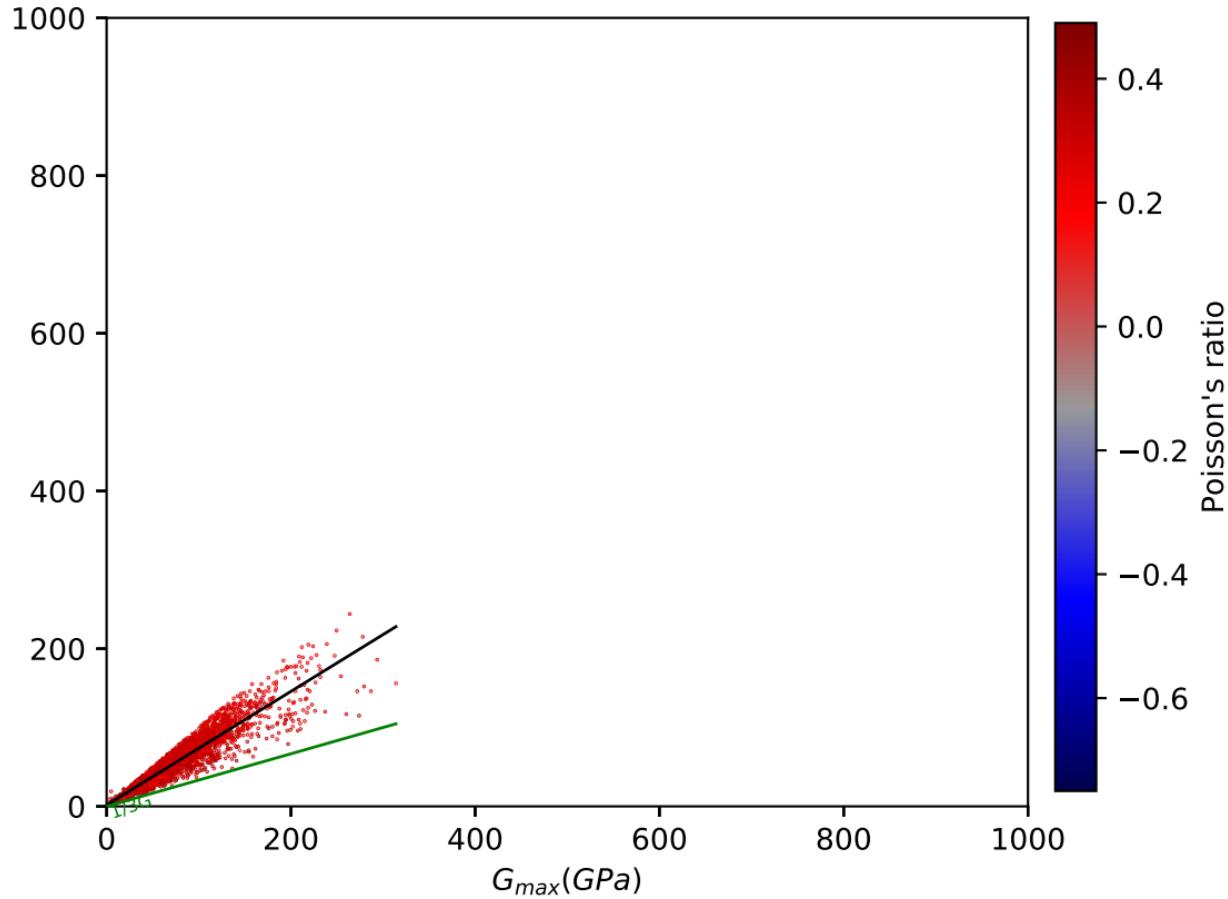


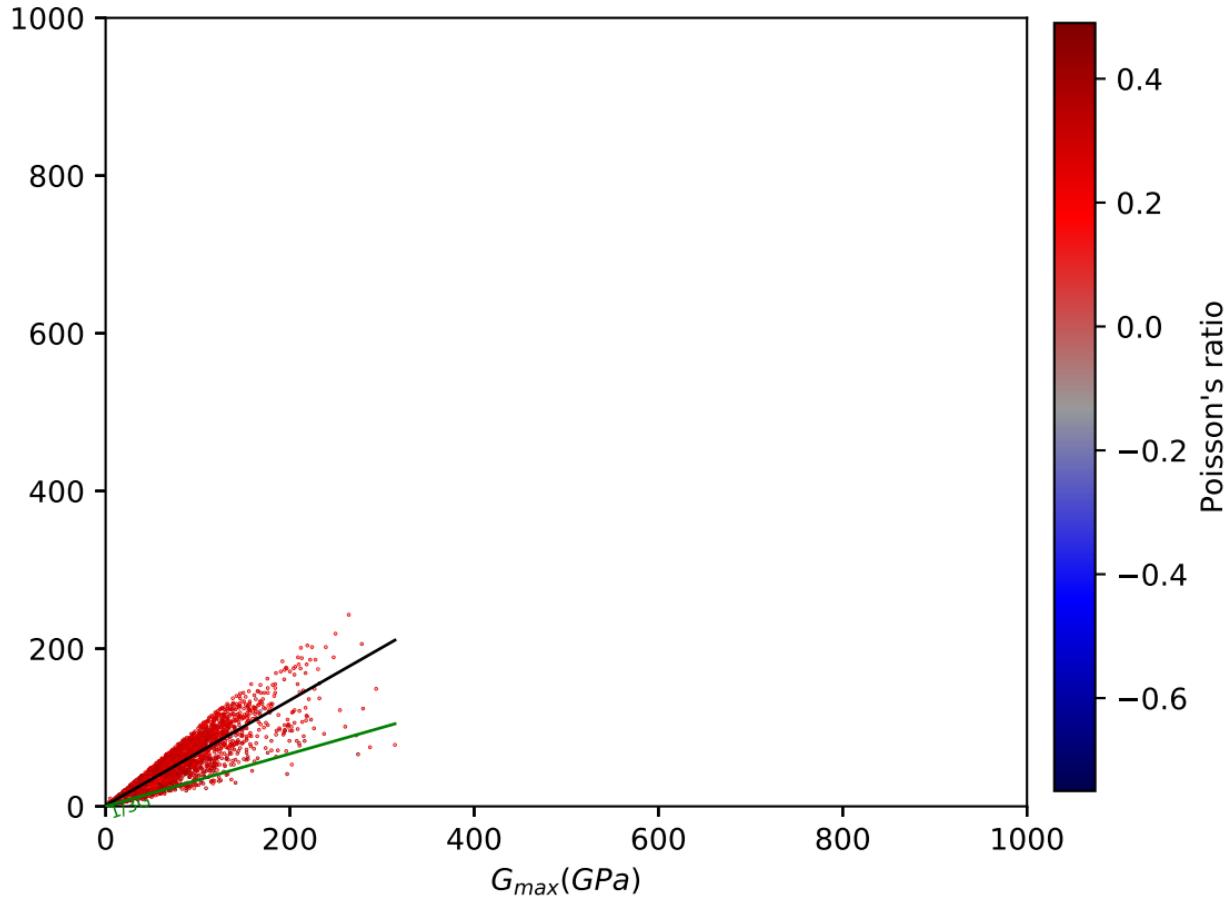


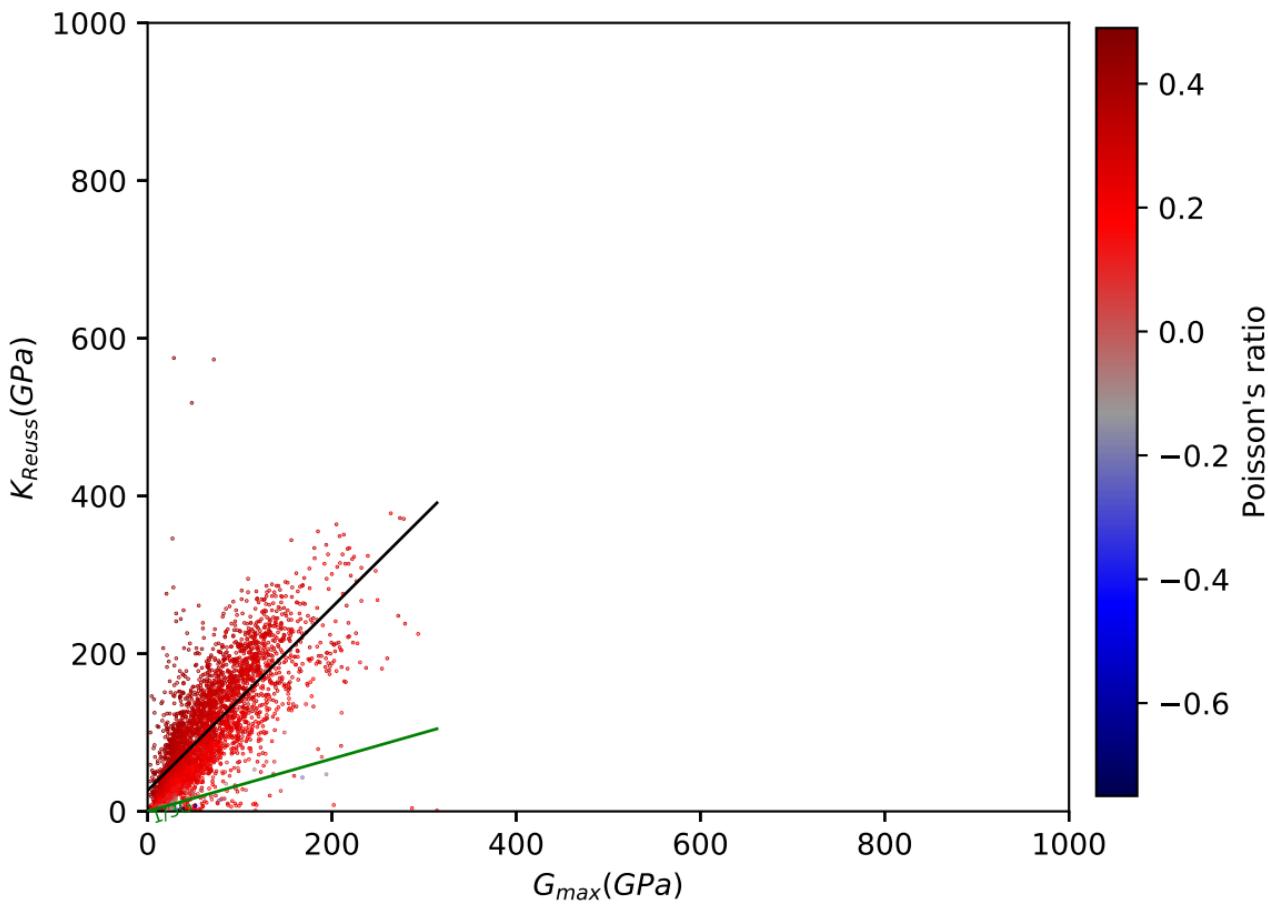


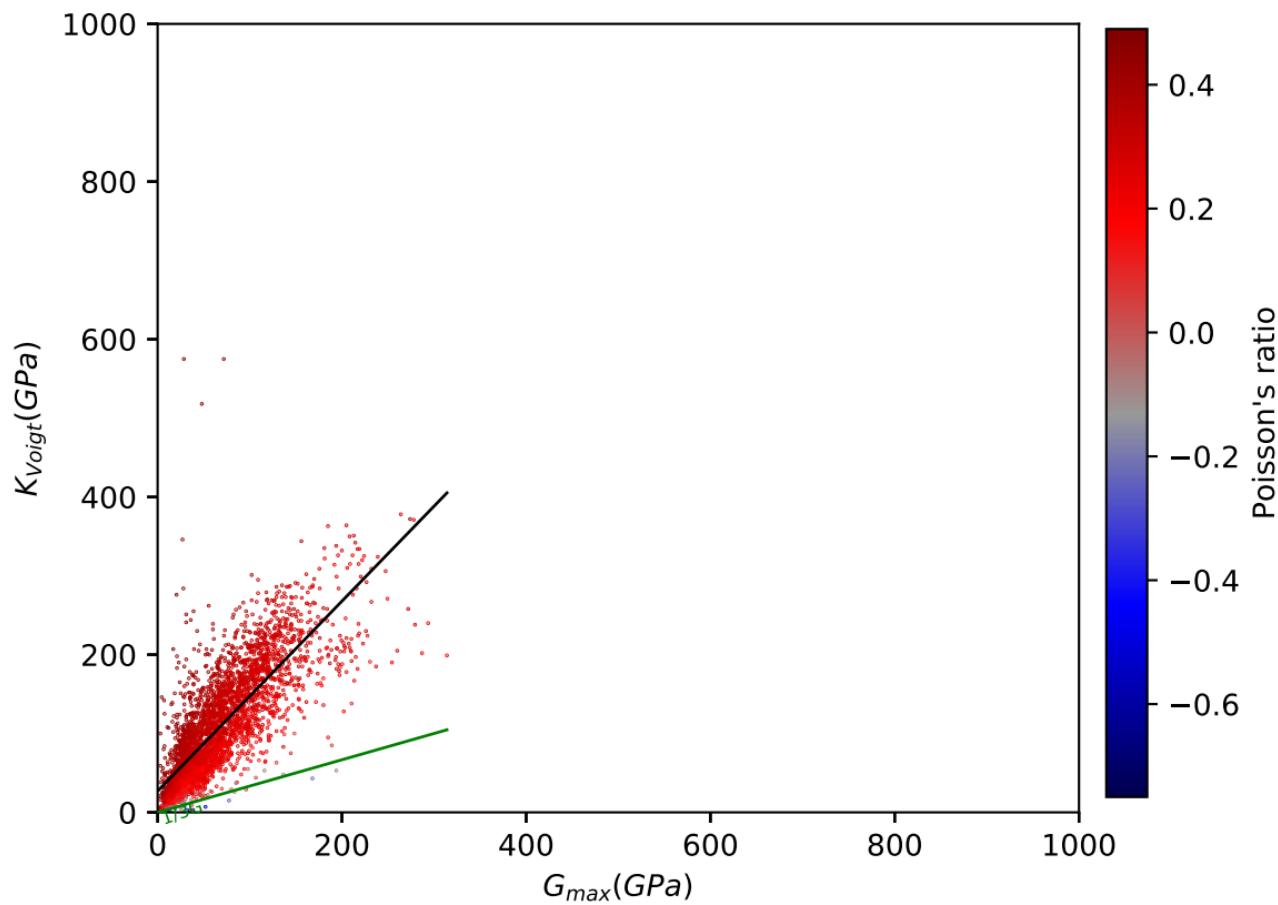


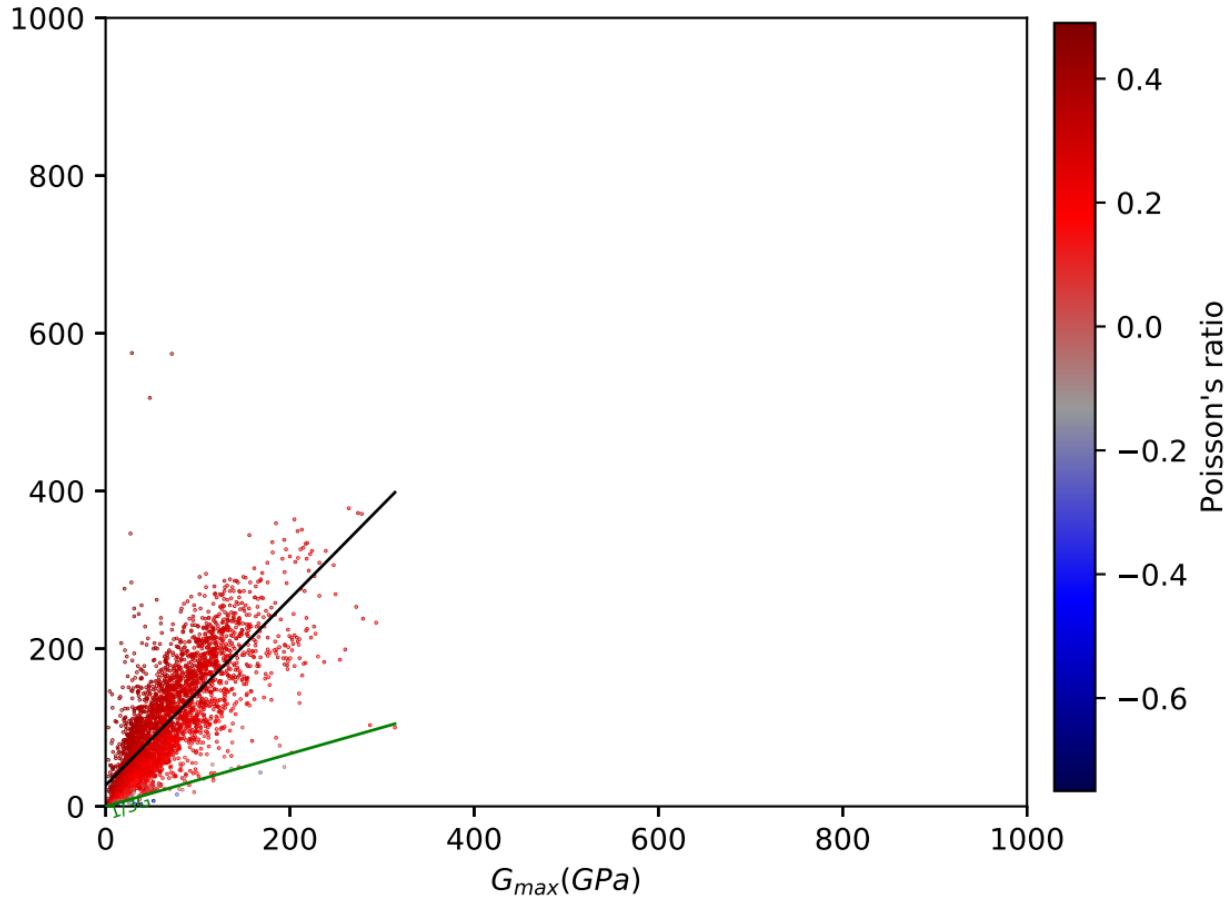


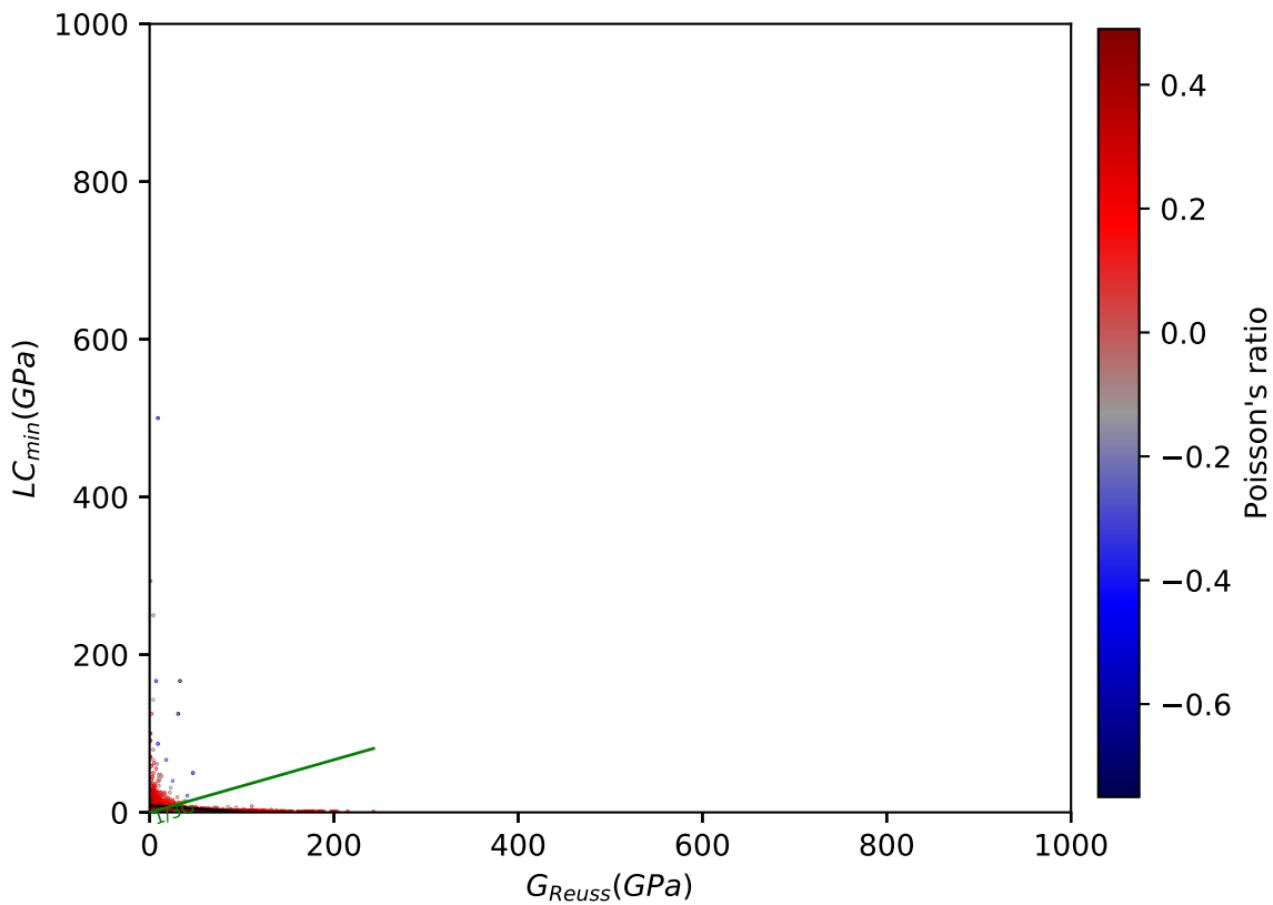
$G_{Vogt}(GPa)$ 

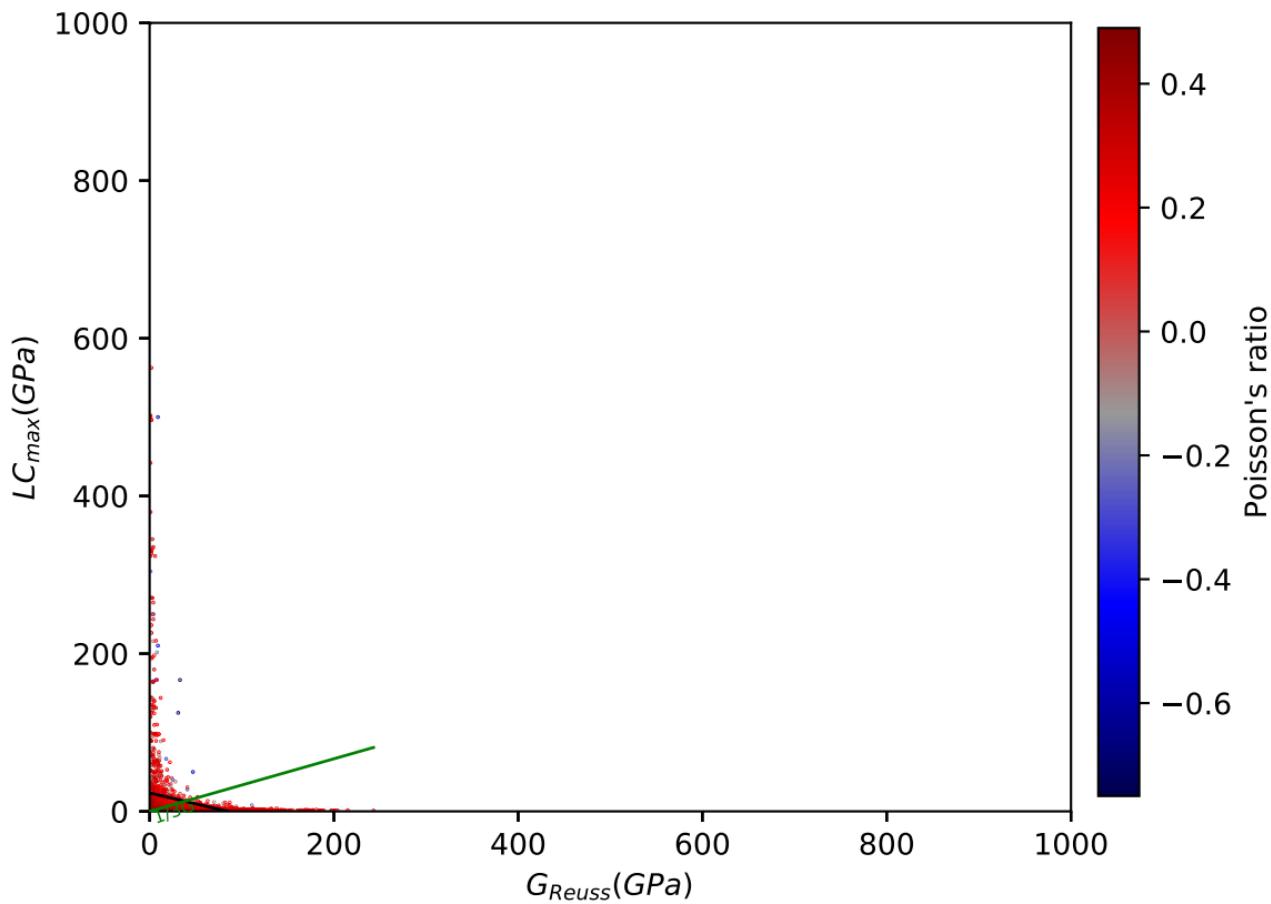
$G_{\text{voigt Reuss Hill}}(\text{GPa})$ 

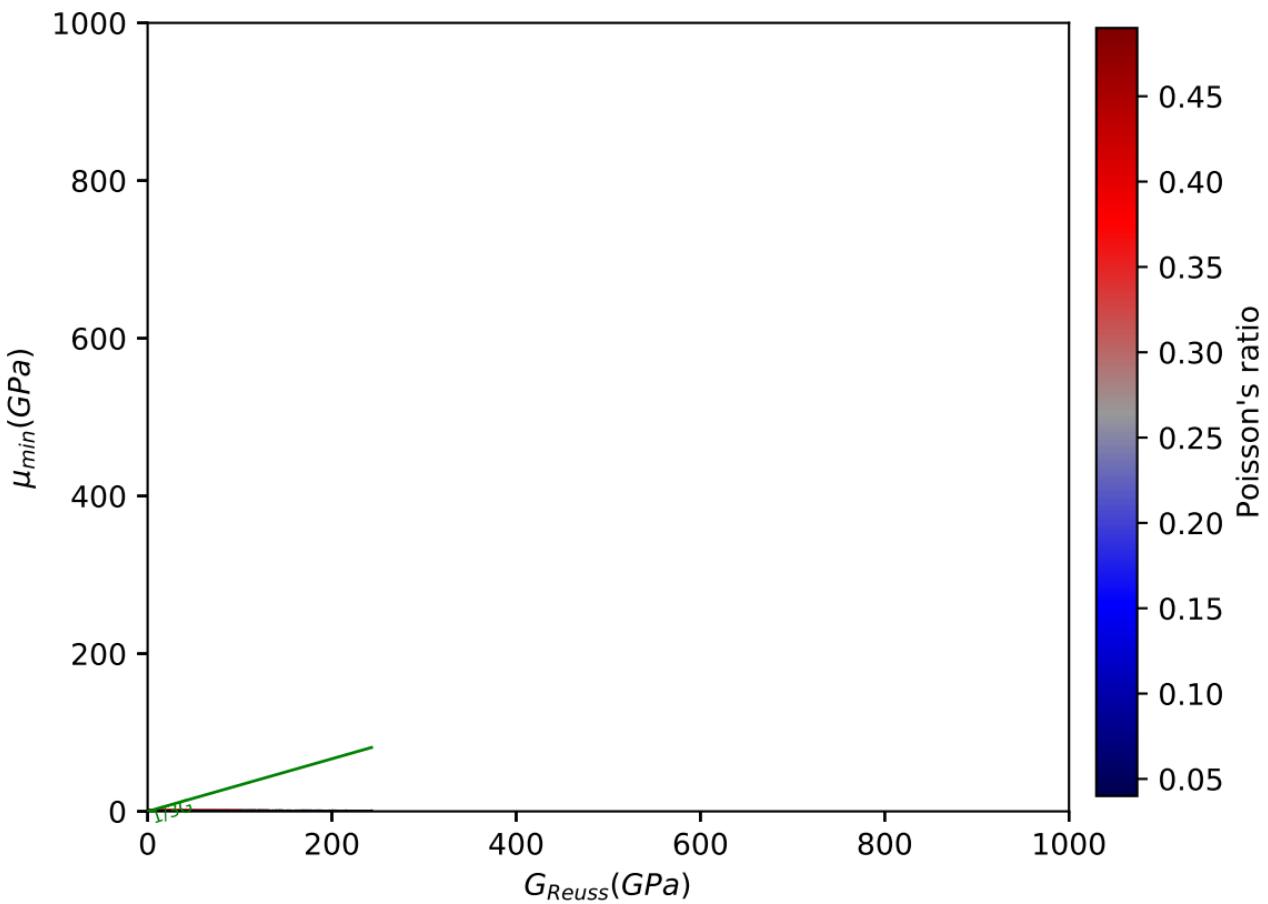


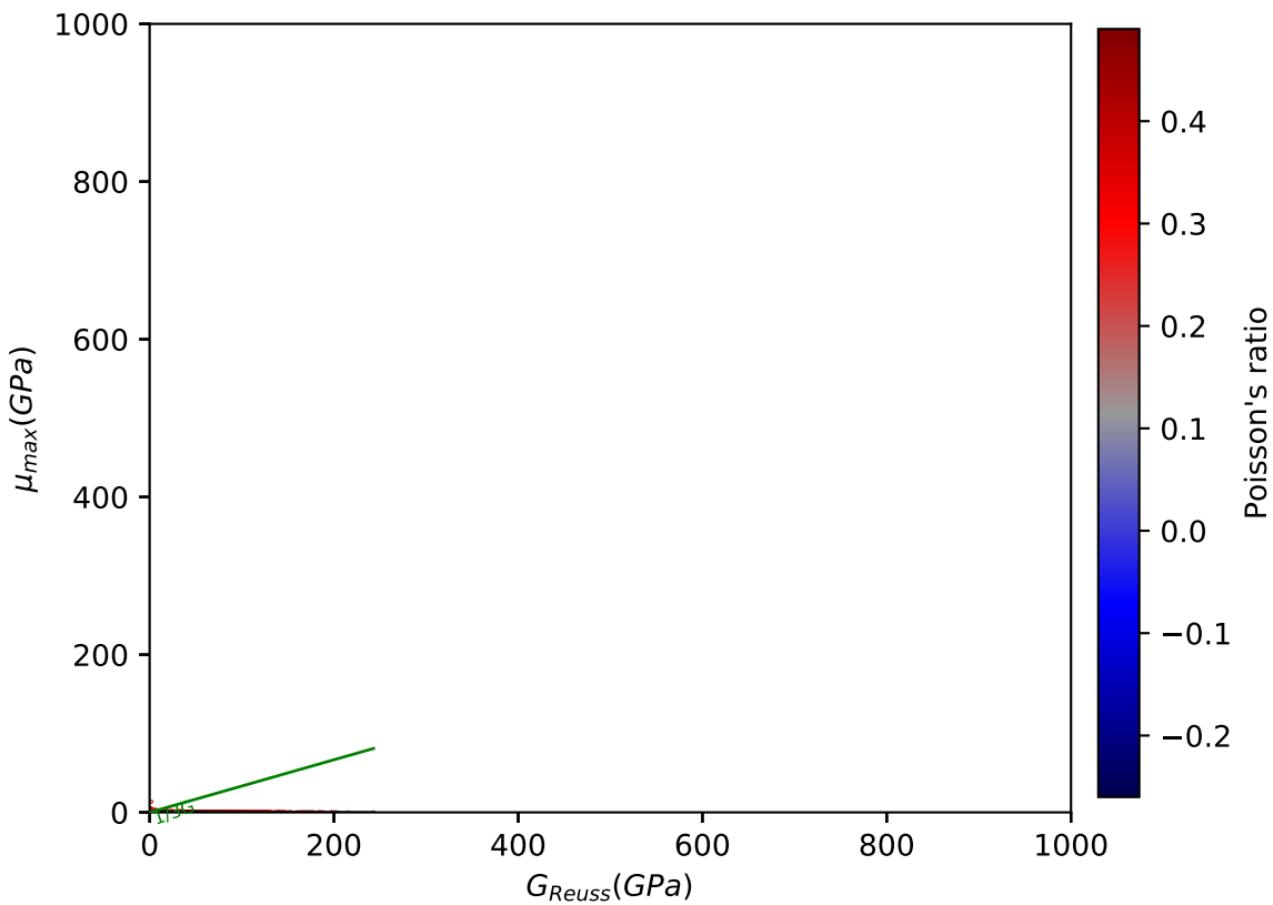


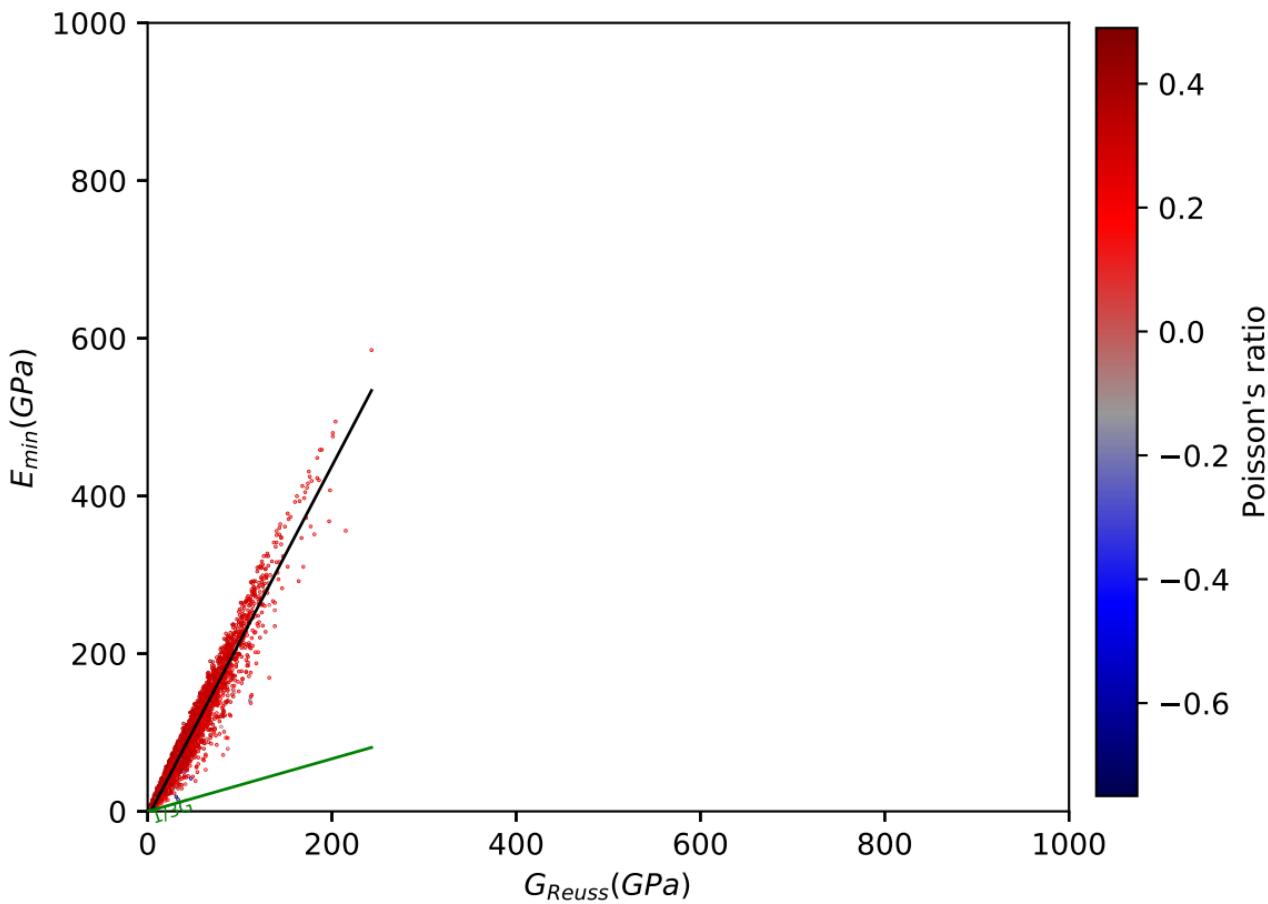
$K_{\text{voigt Reuss Hill}}(\text{GPa})$ 

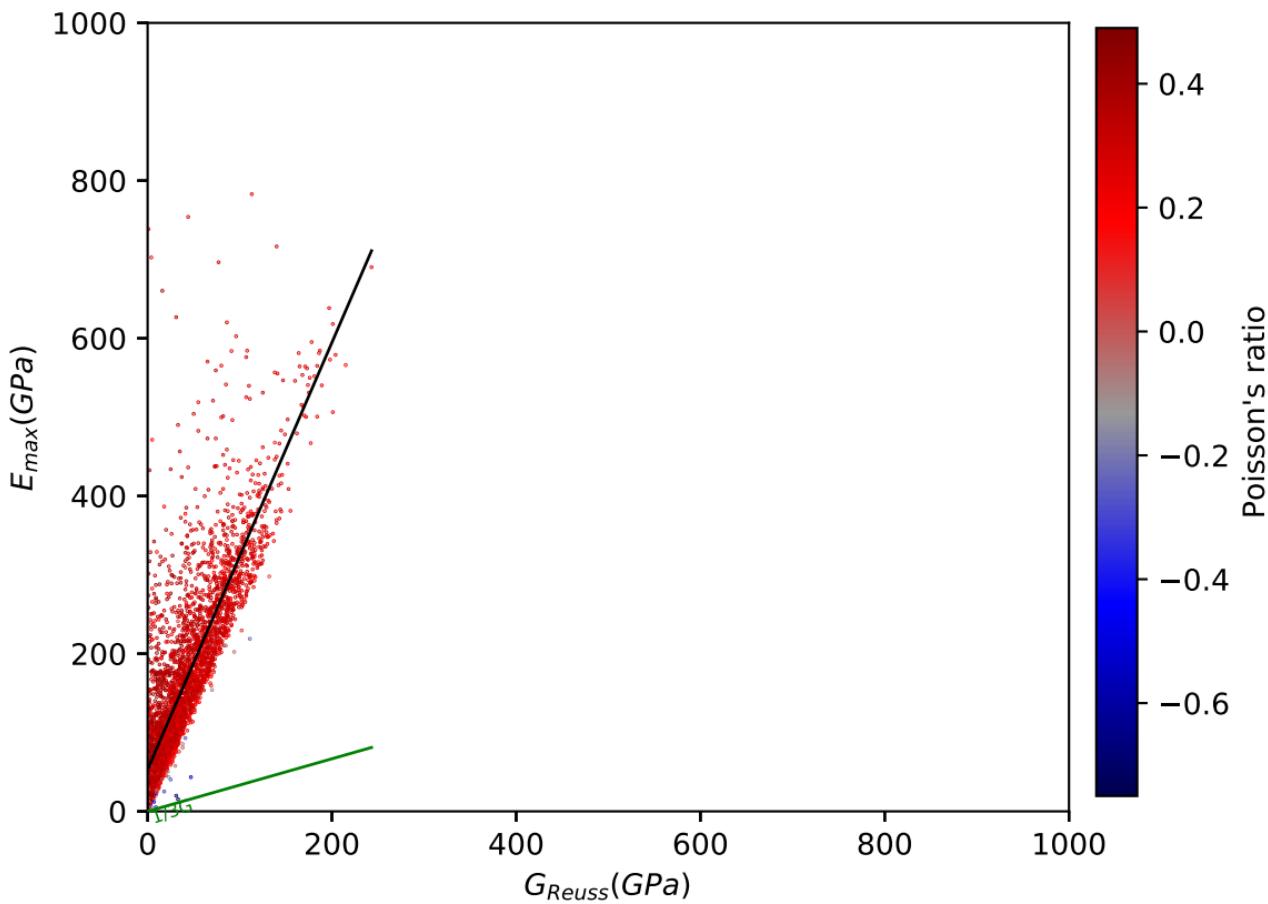


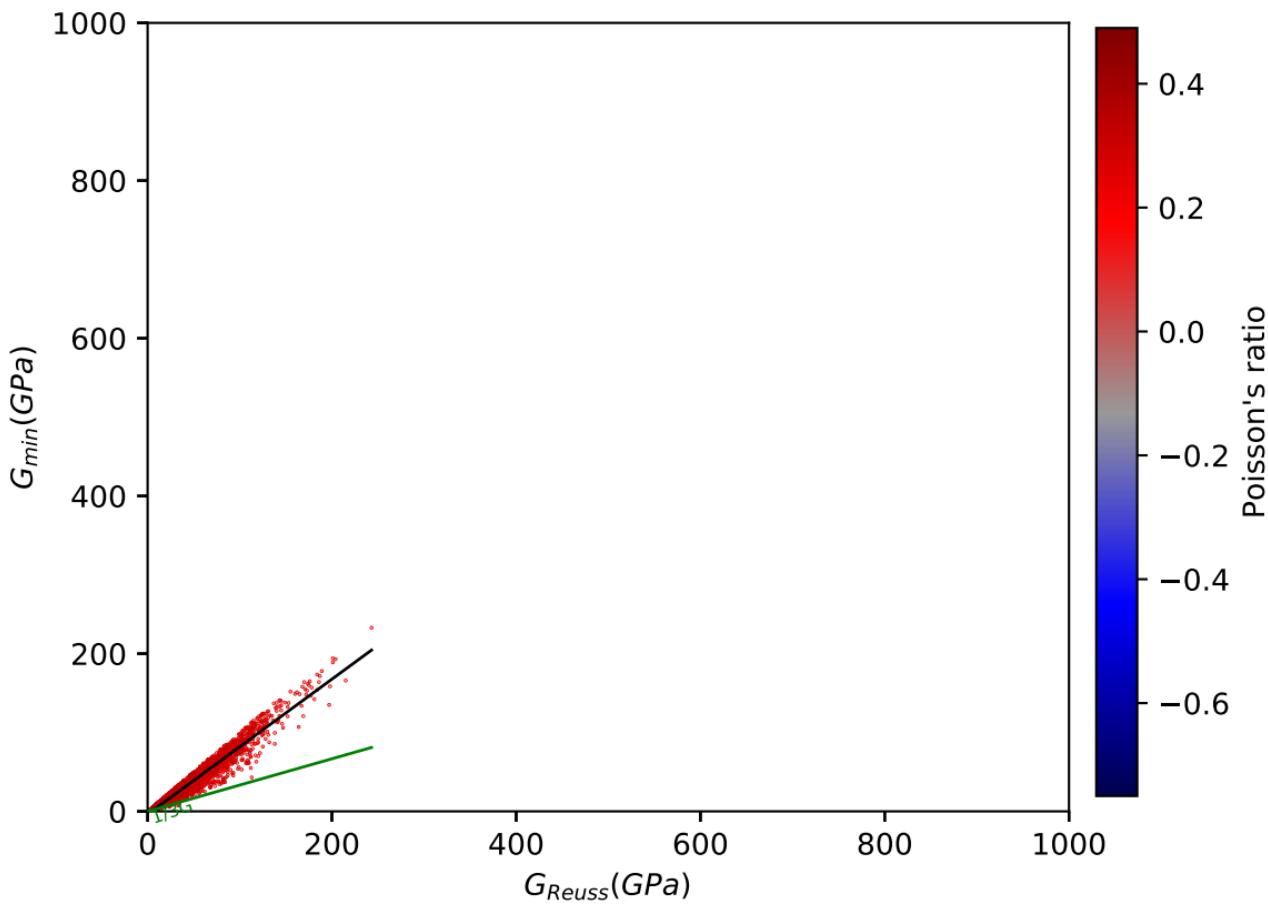


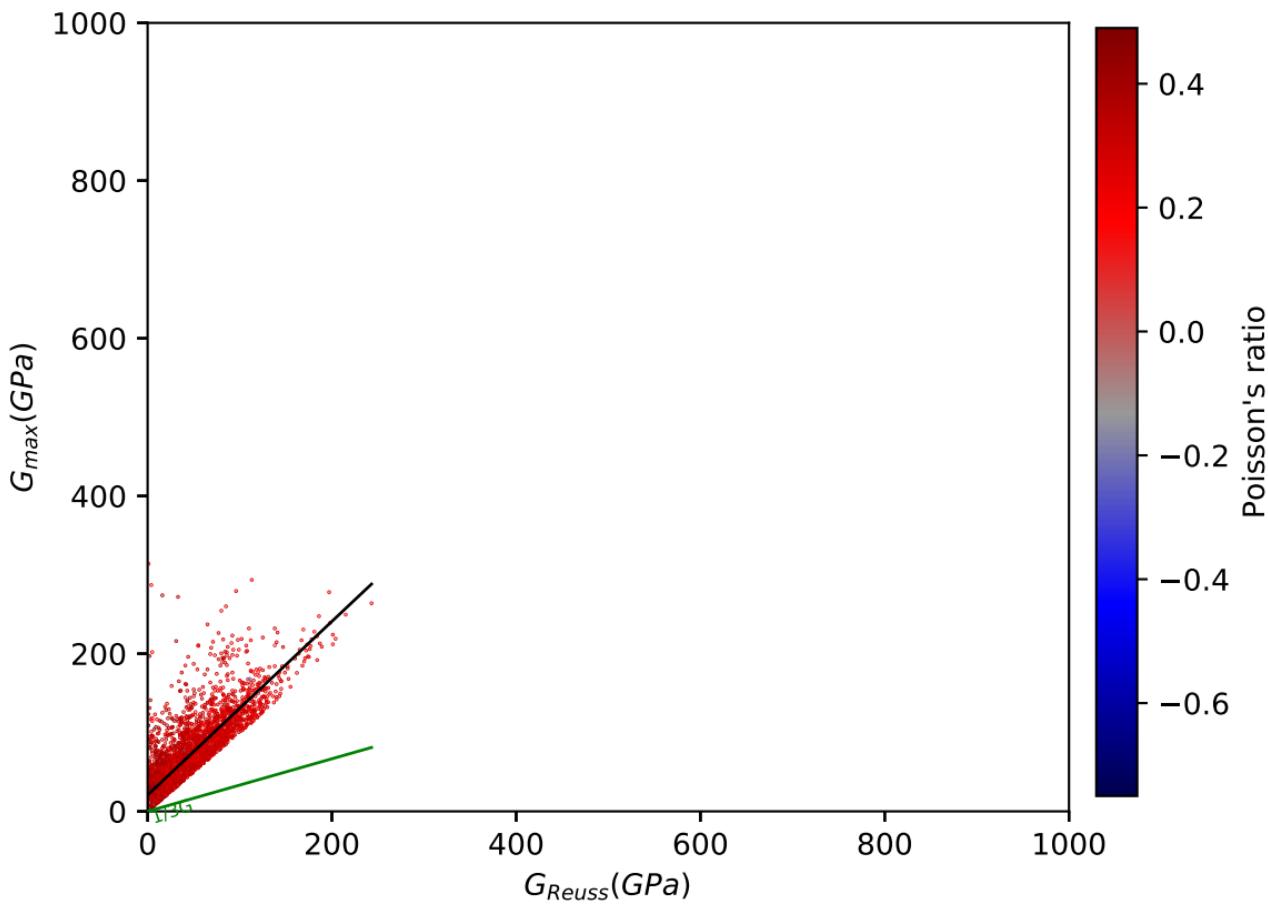












$G_{Vogt}(GPa)$ 1000
800
600
400
200
0

200

400

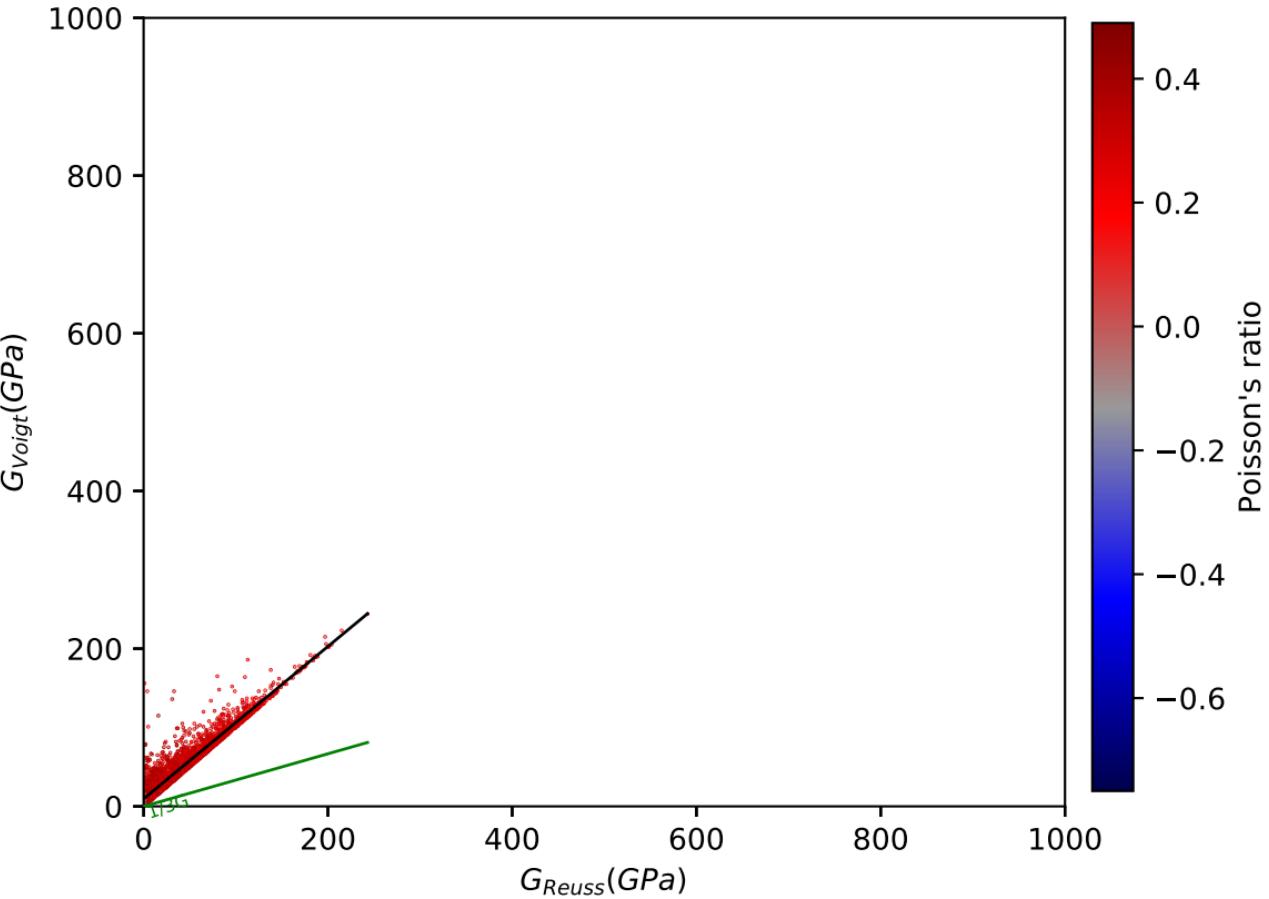
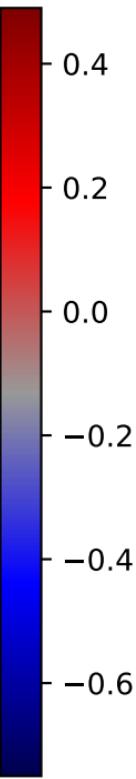
600

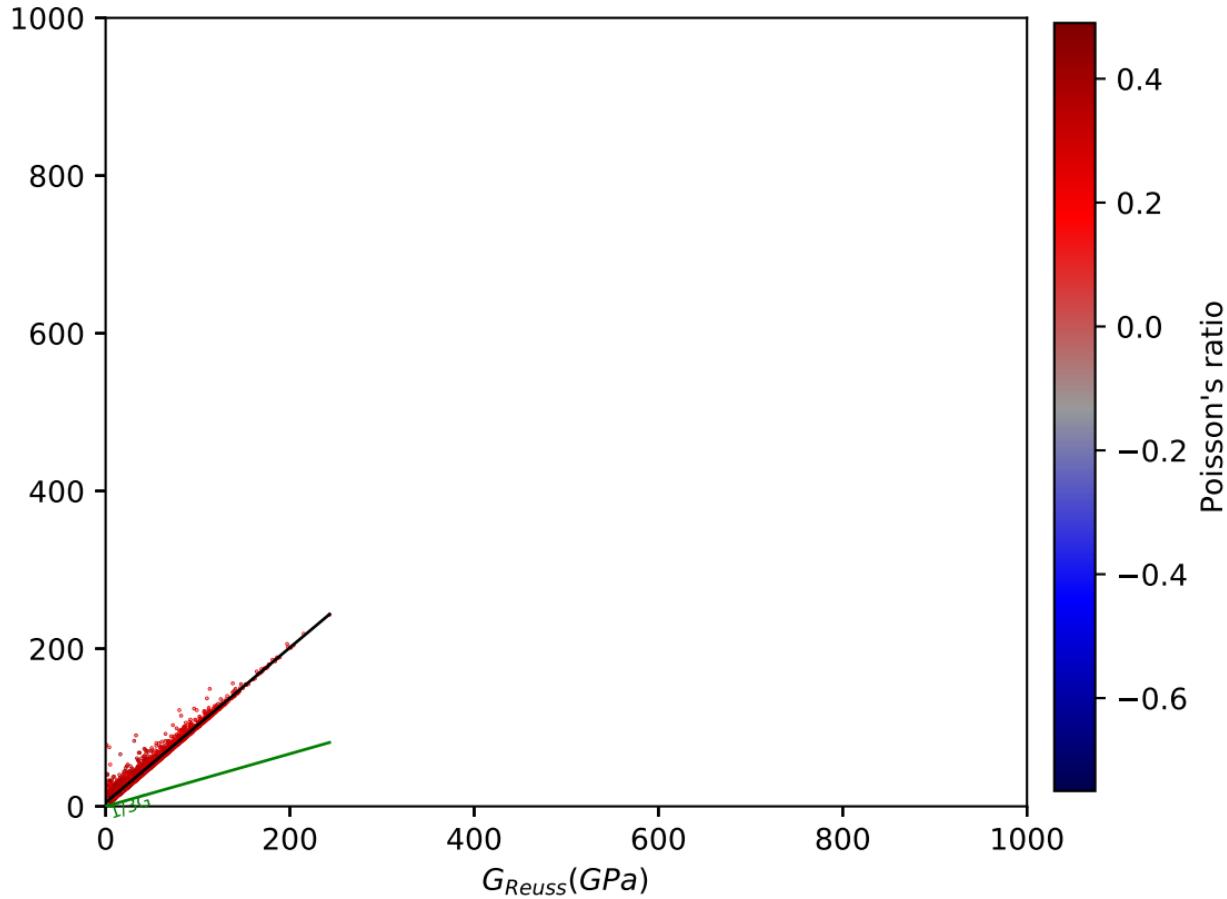
800

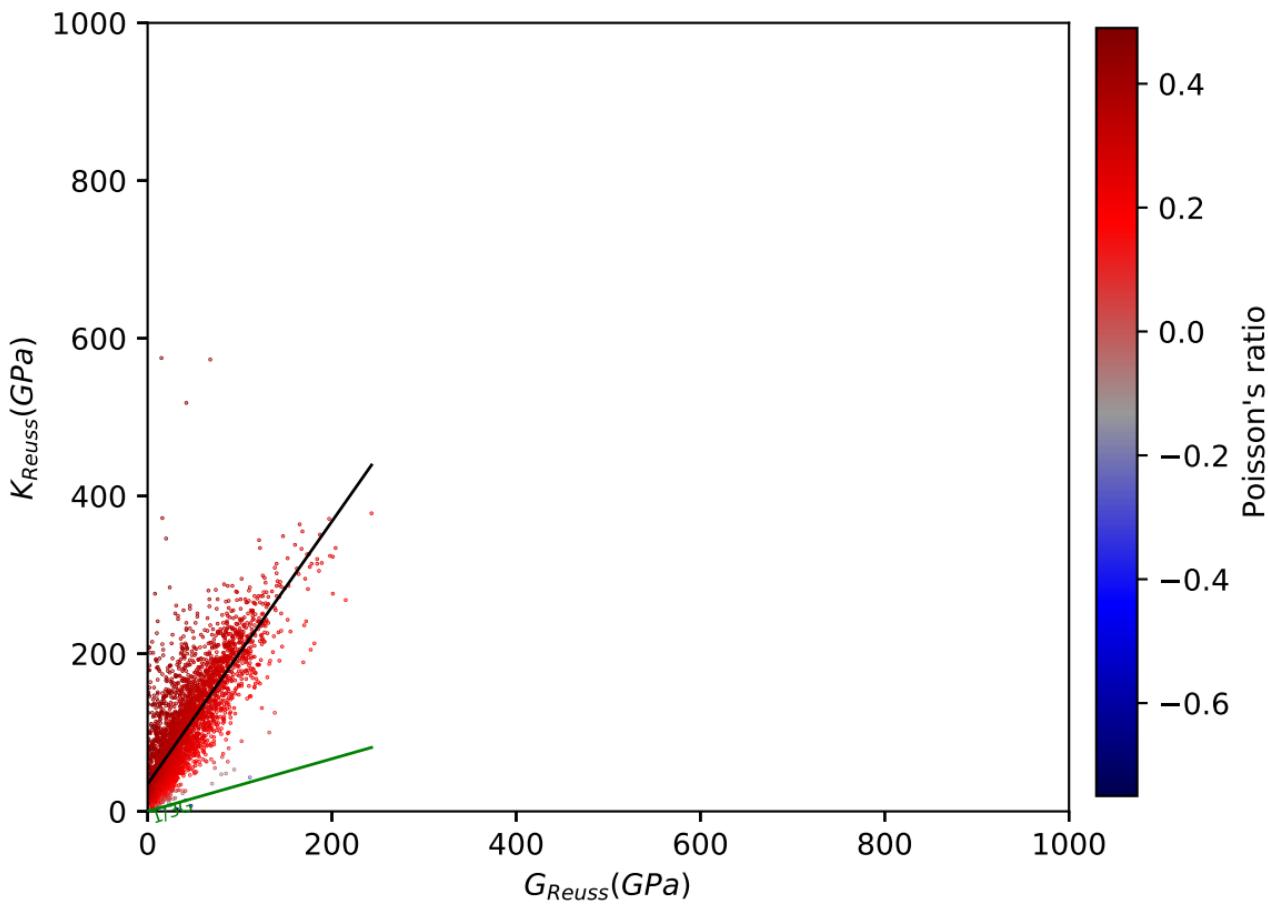
1000

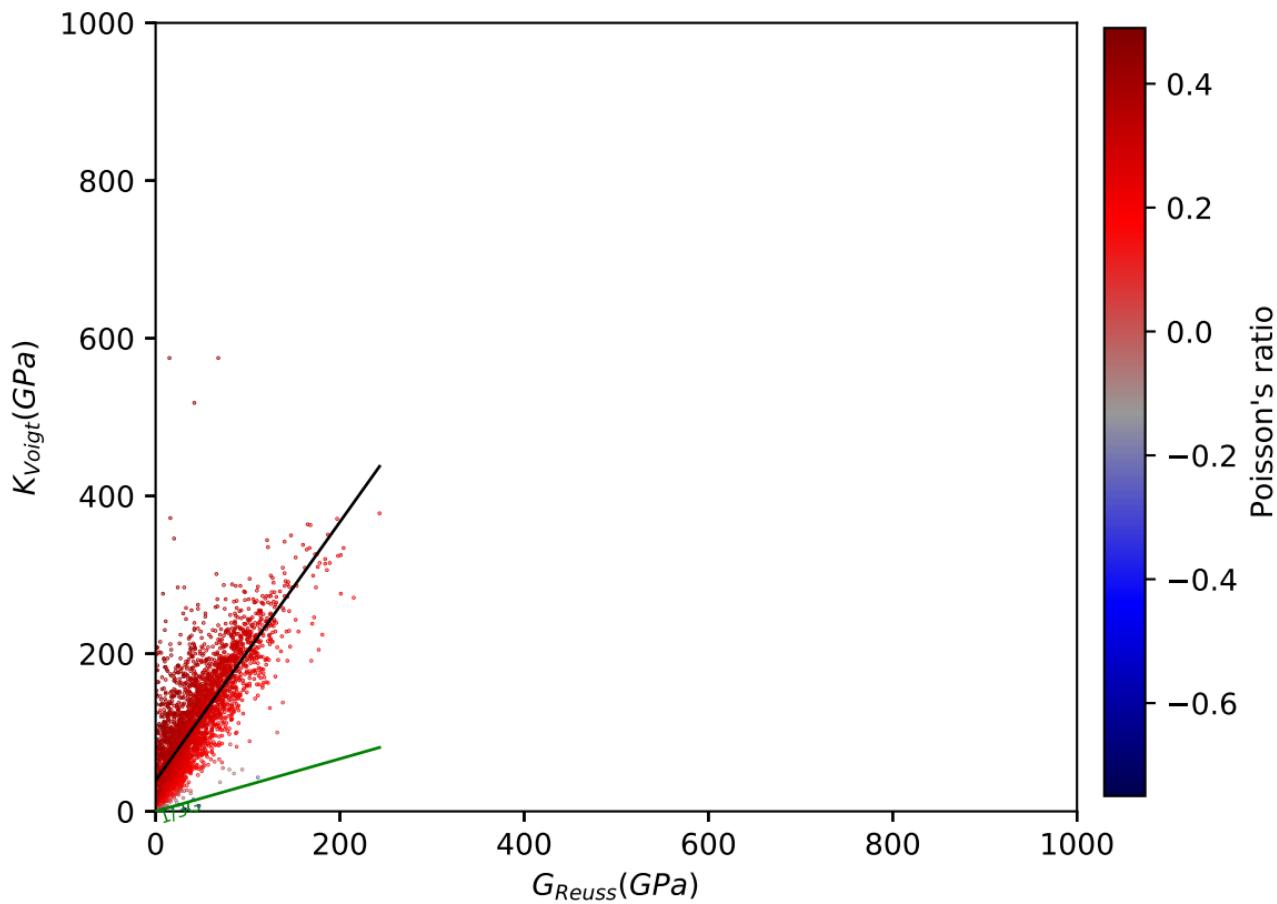
 $G_{Reuss}(GPa)$

Poisson's ratio



$G_{\text{Voigt Reuss Hill}}(\text{GPa})$ 





$K_{\text{voigt Reuss Hill}}(\text{GPa})$

1000

800

600

400

200

0

 $G_{\text{Reuss}}(\text{GPa})$ 

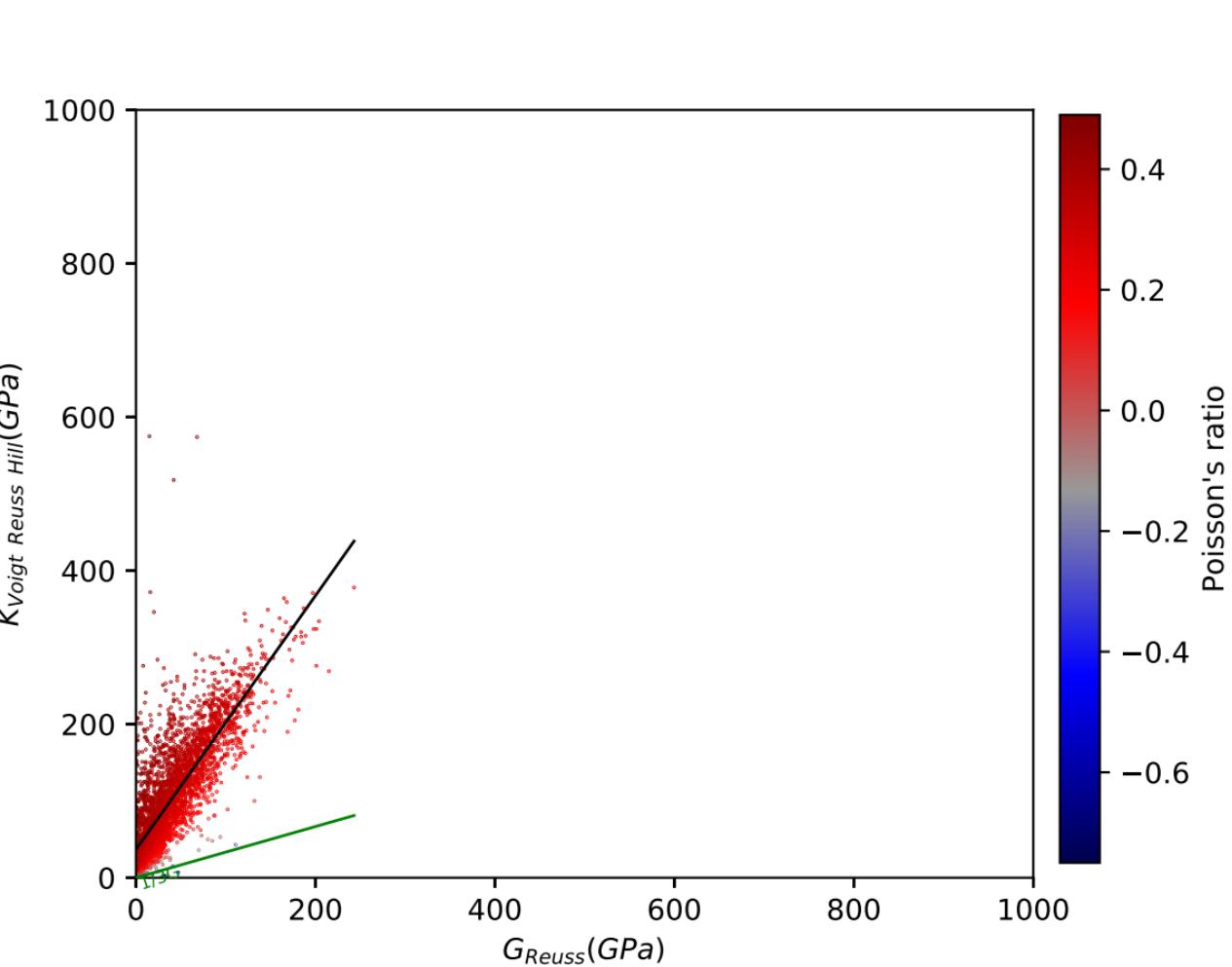
Poisson's ratio

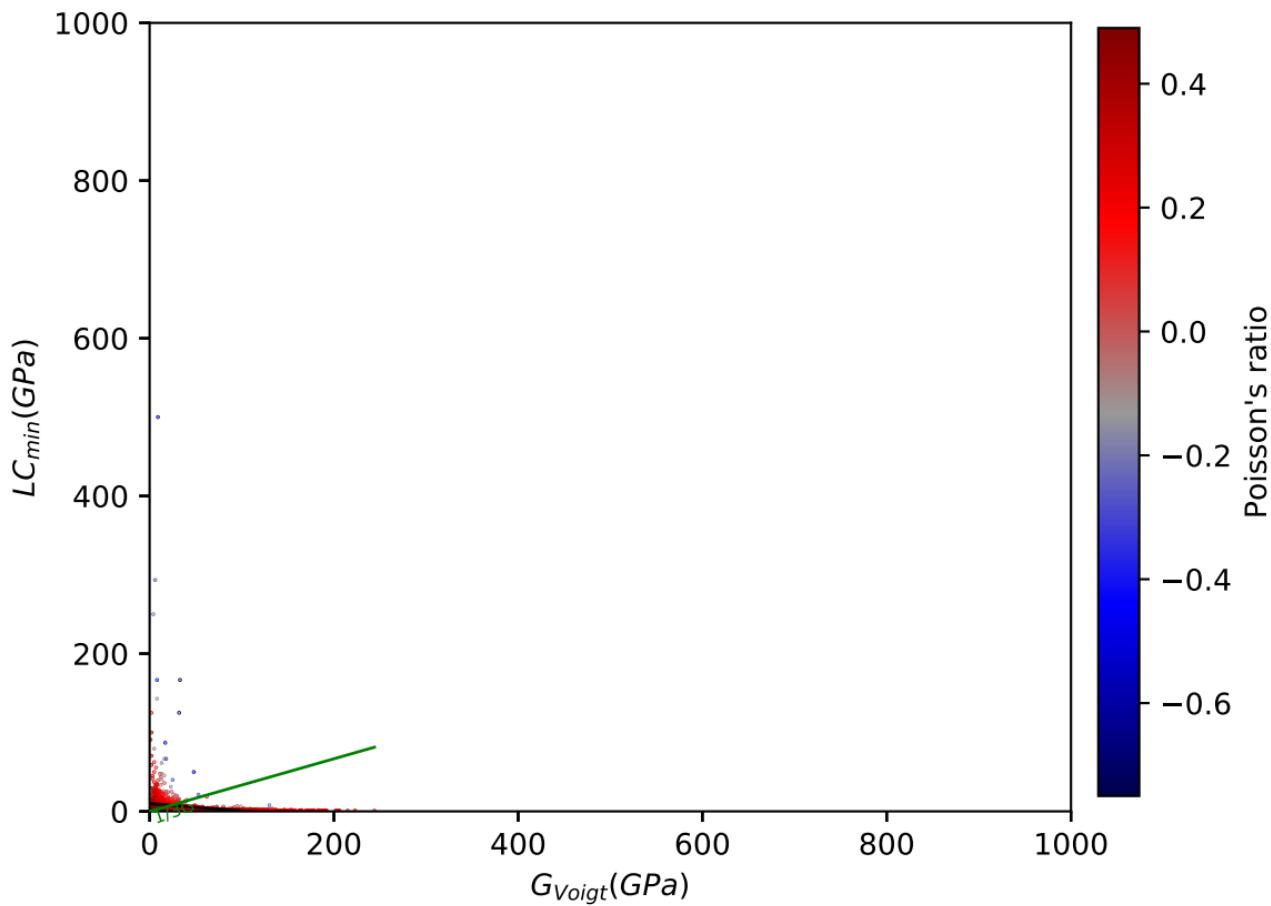
200

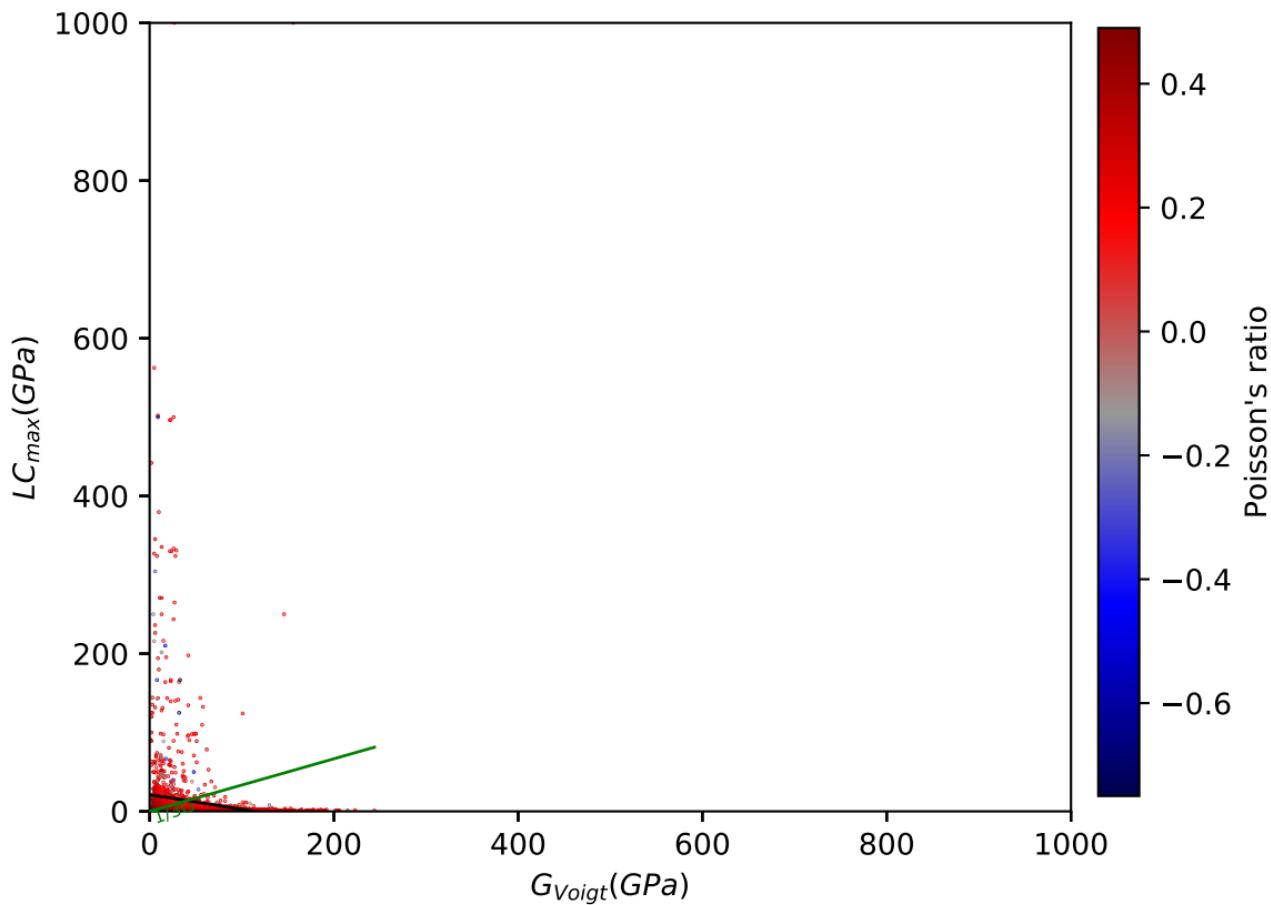
600

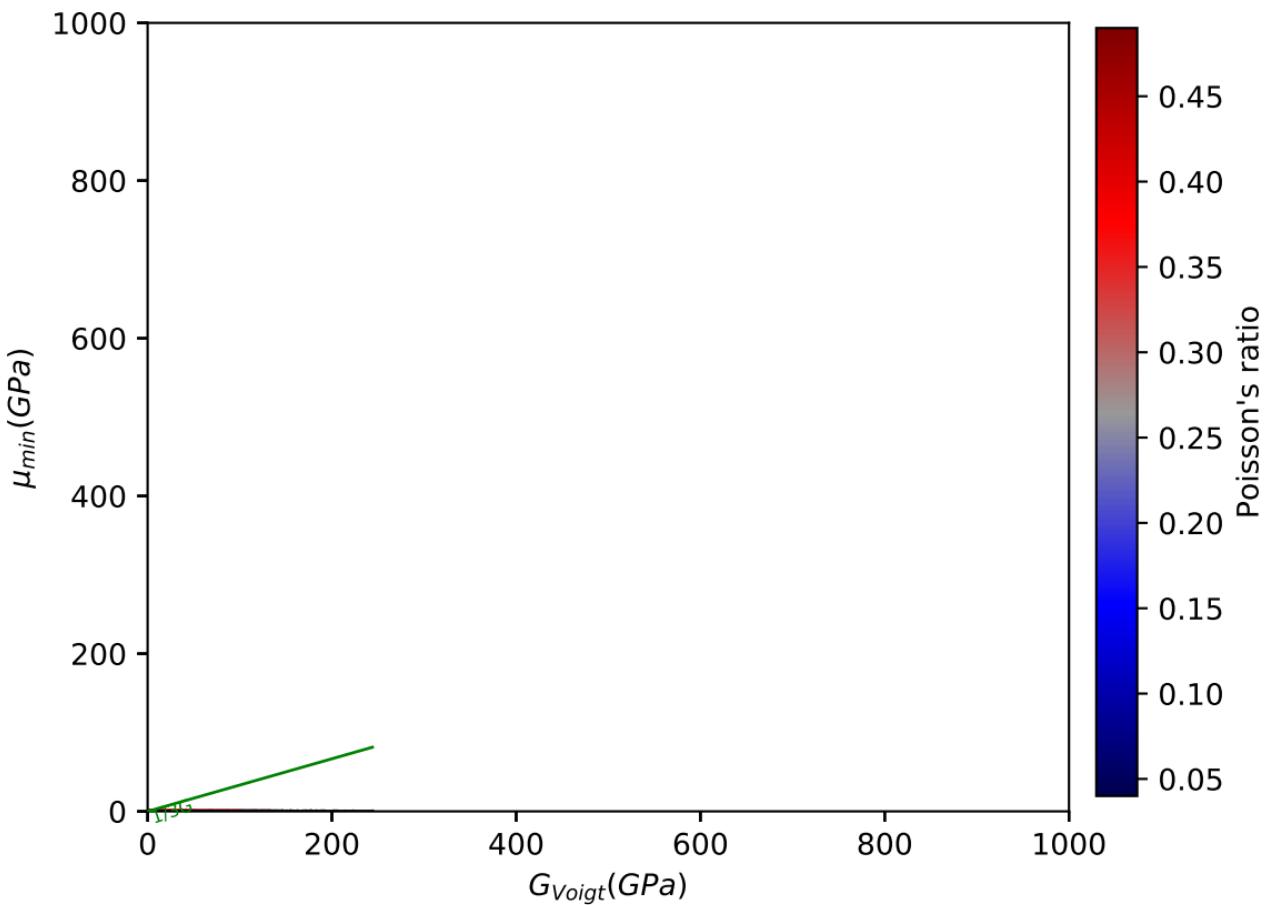
800

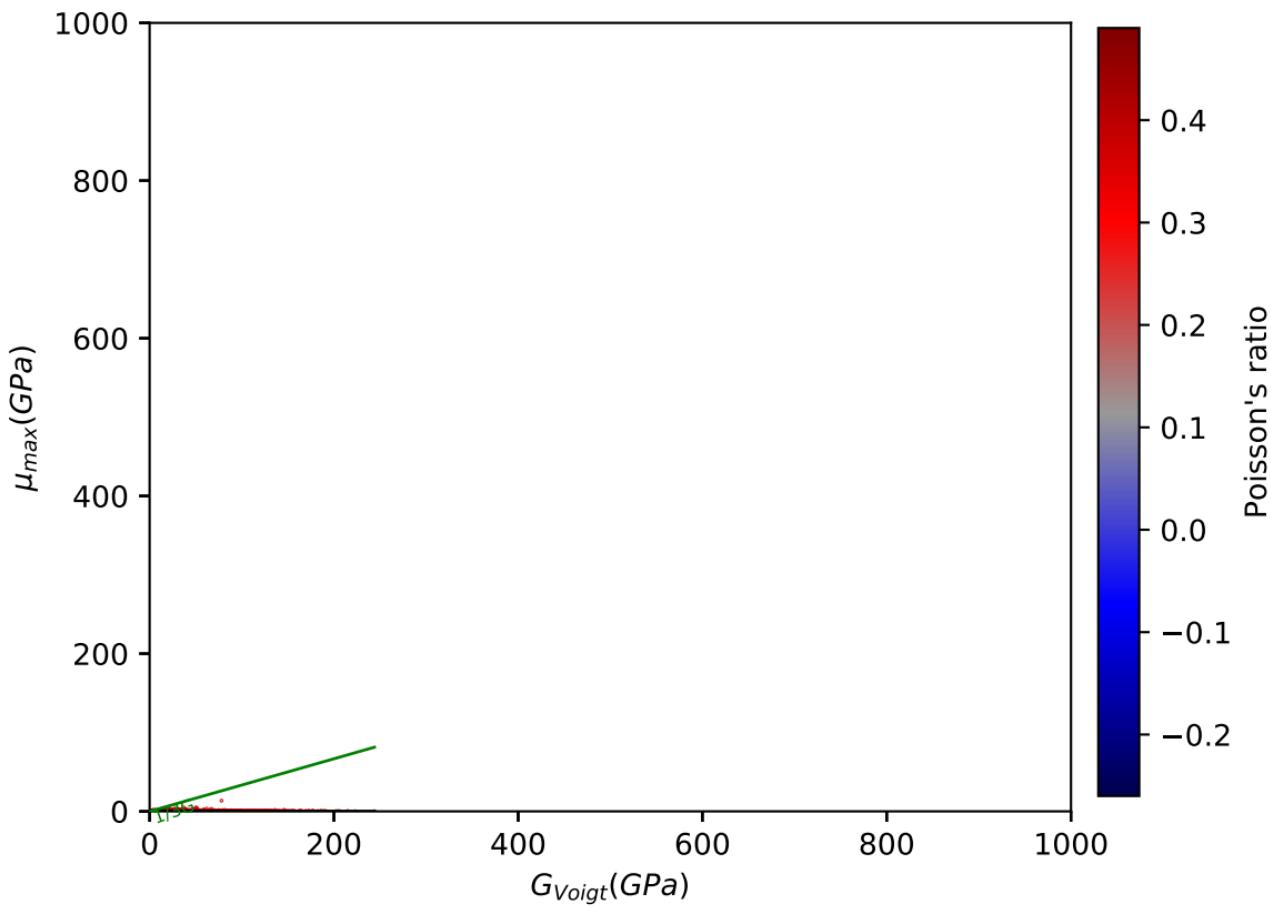
1000

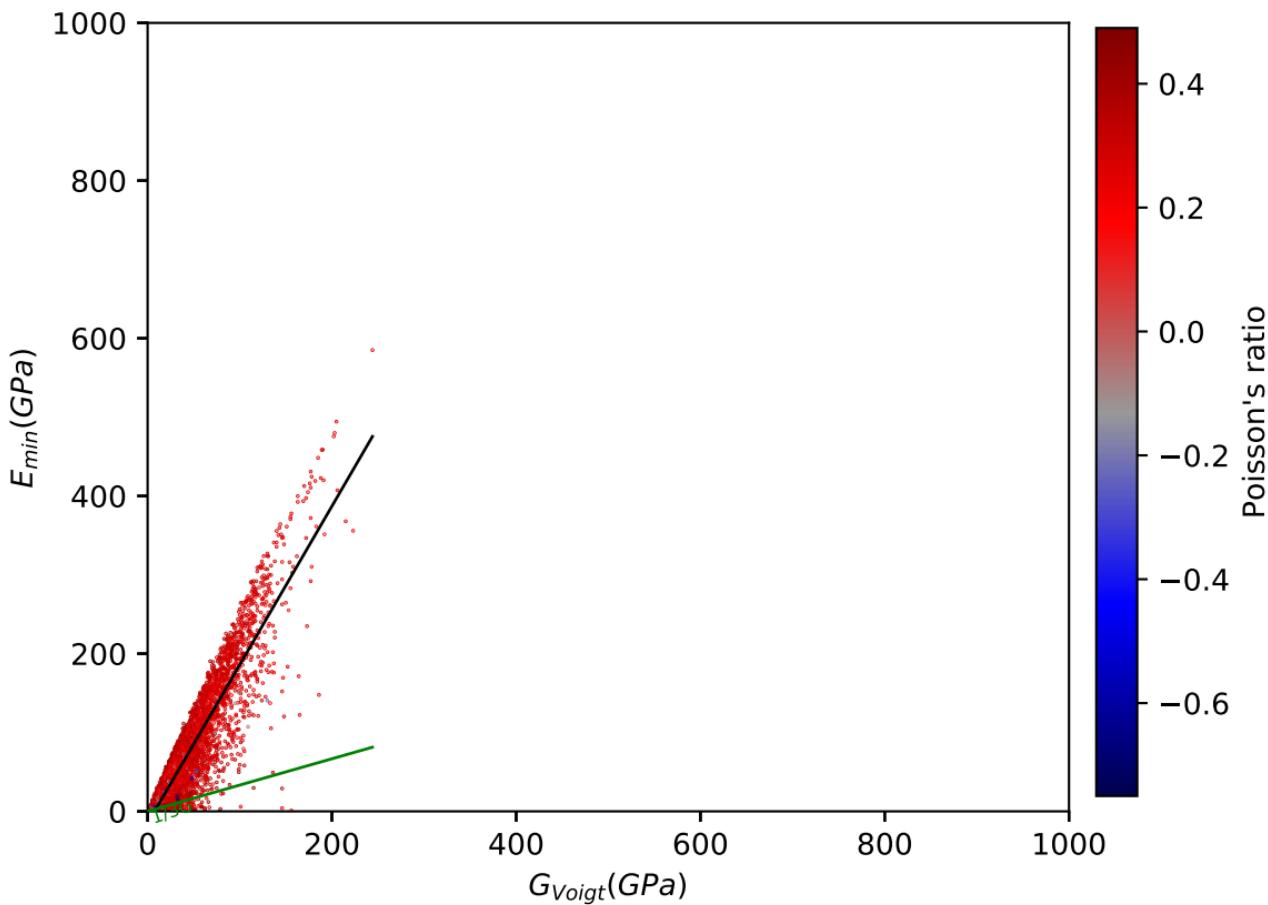


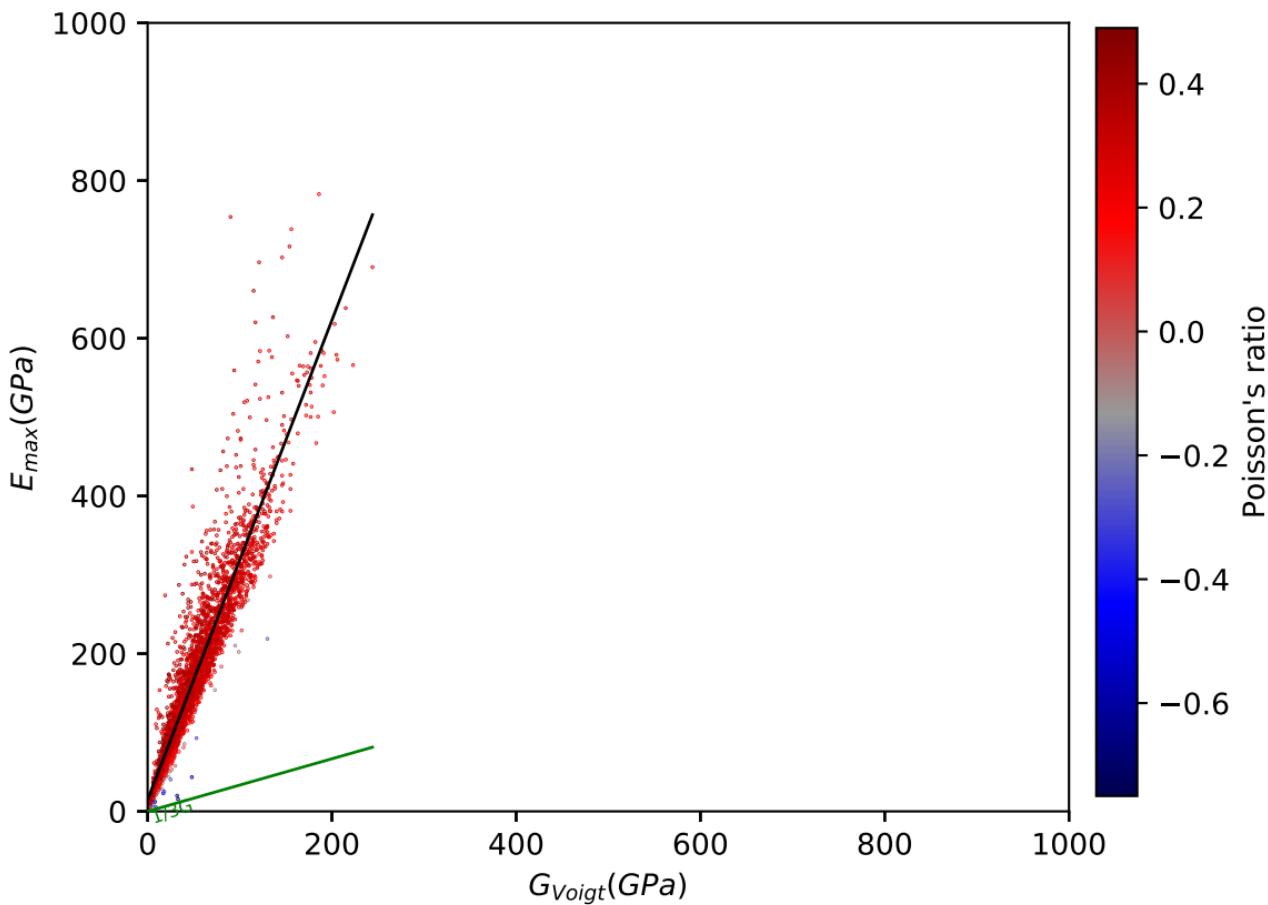


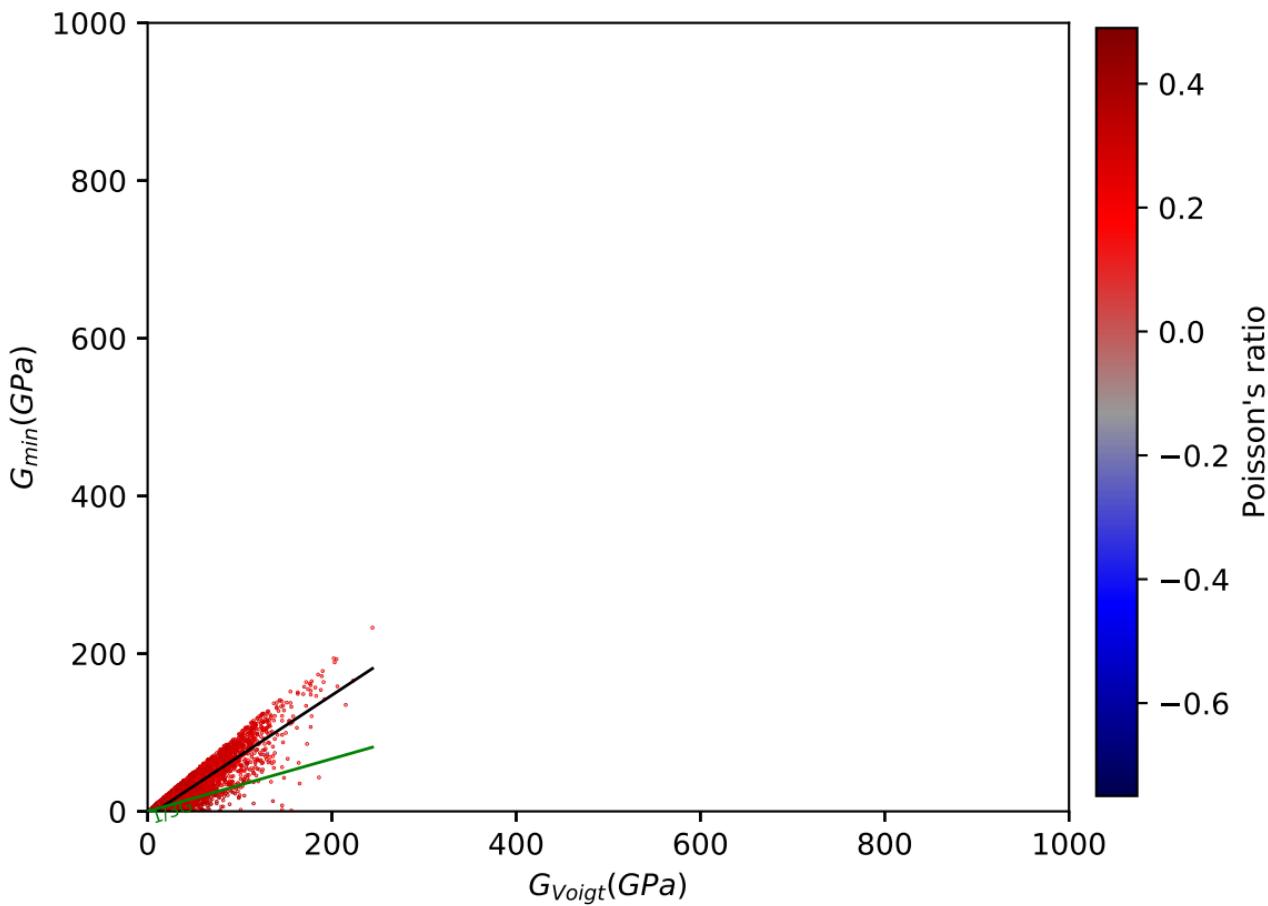


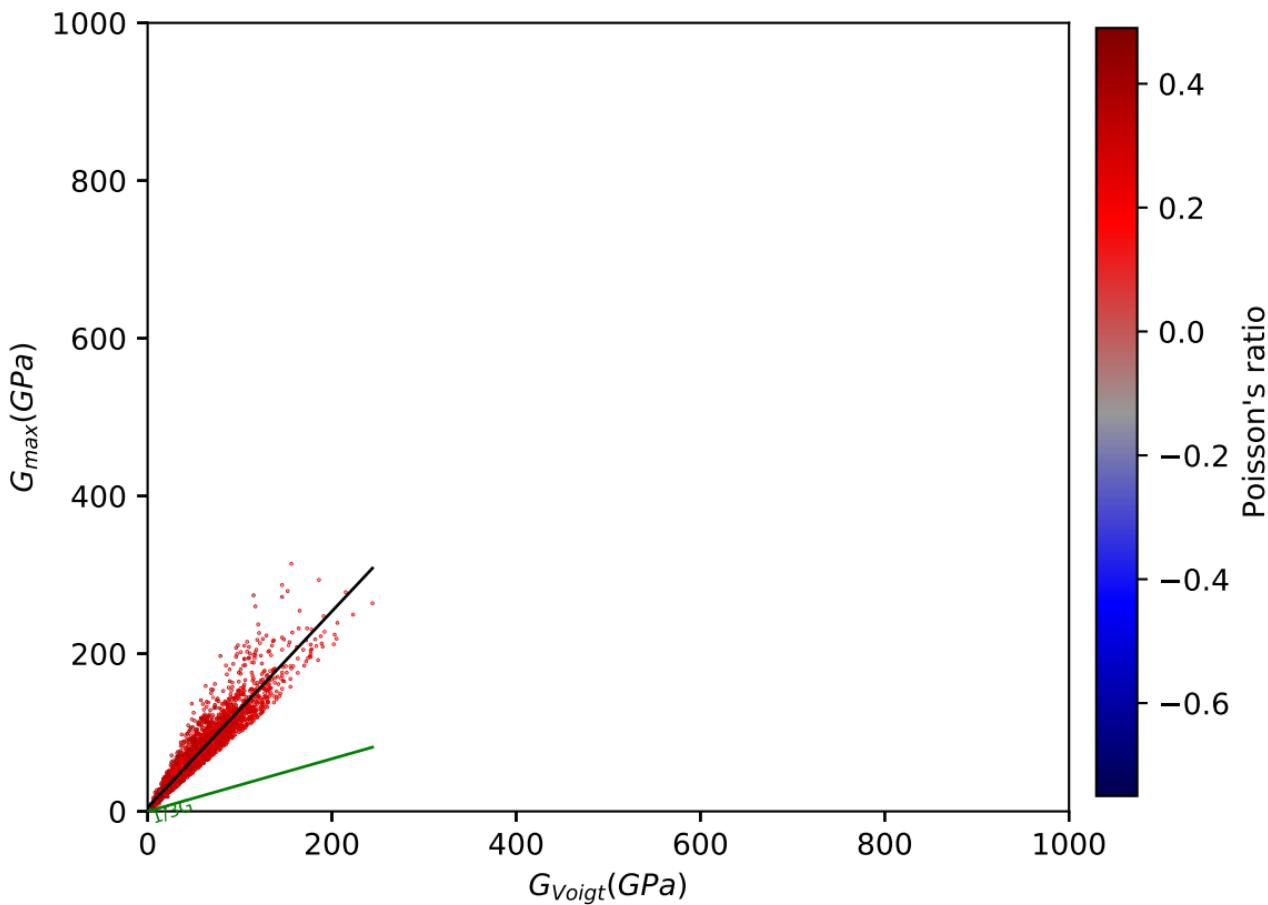


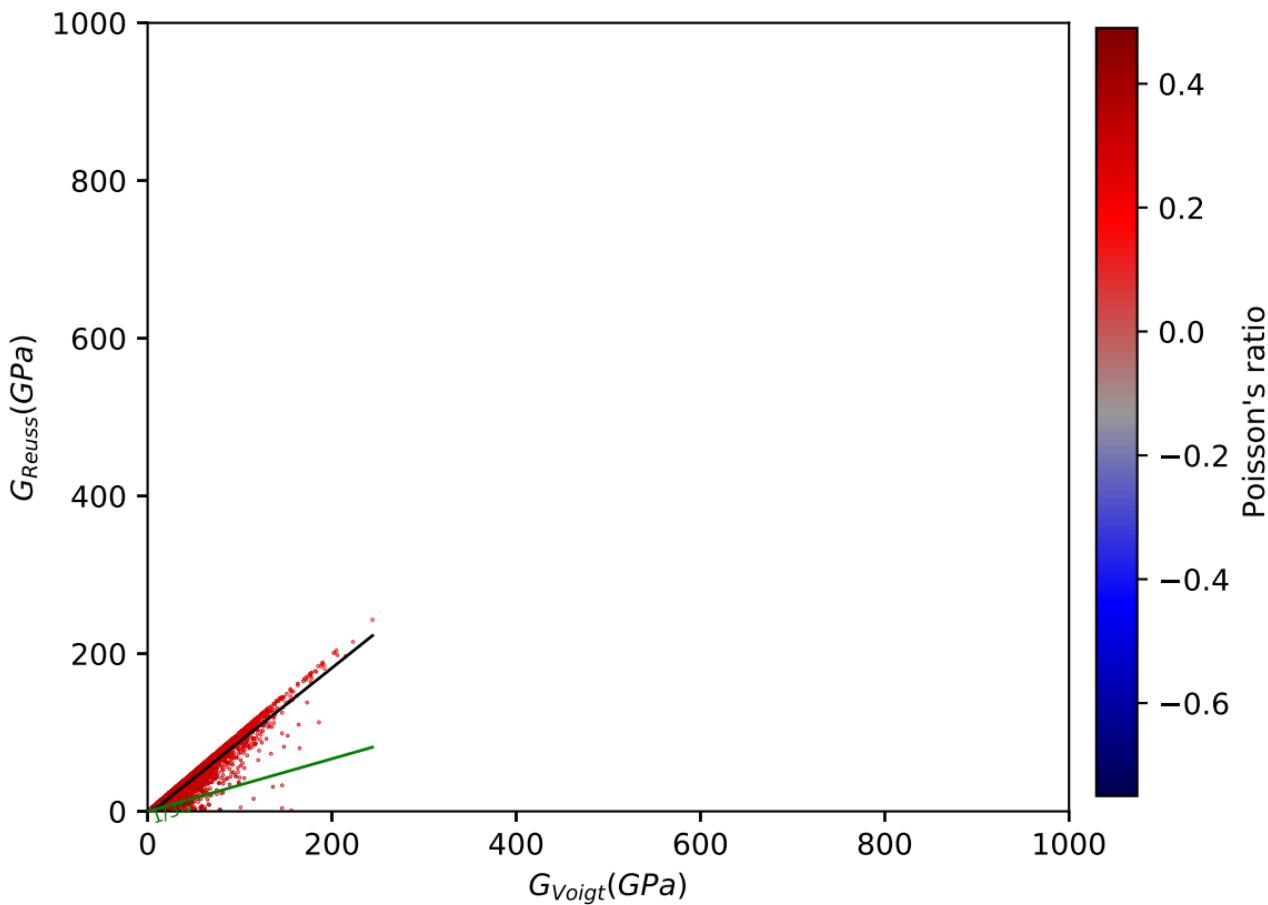




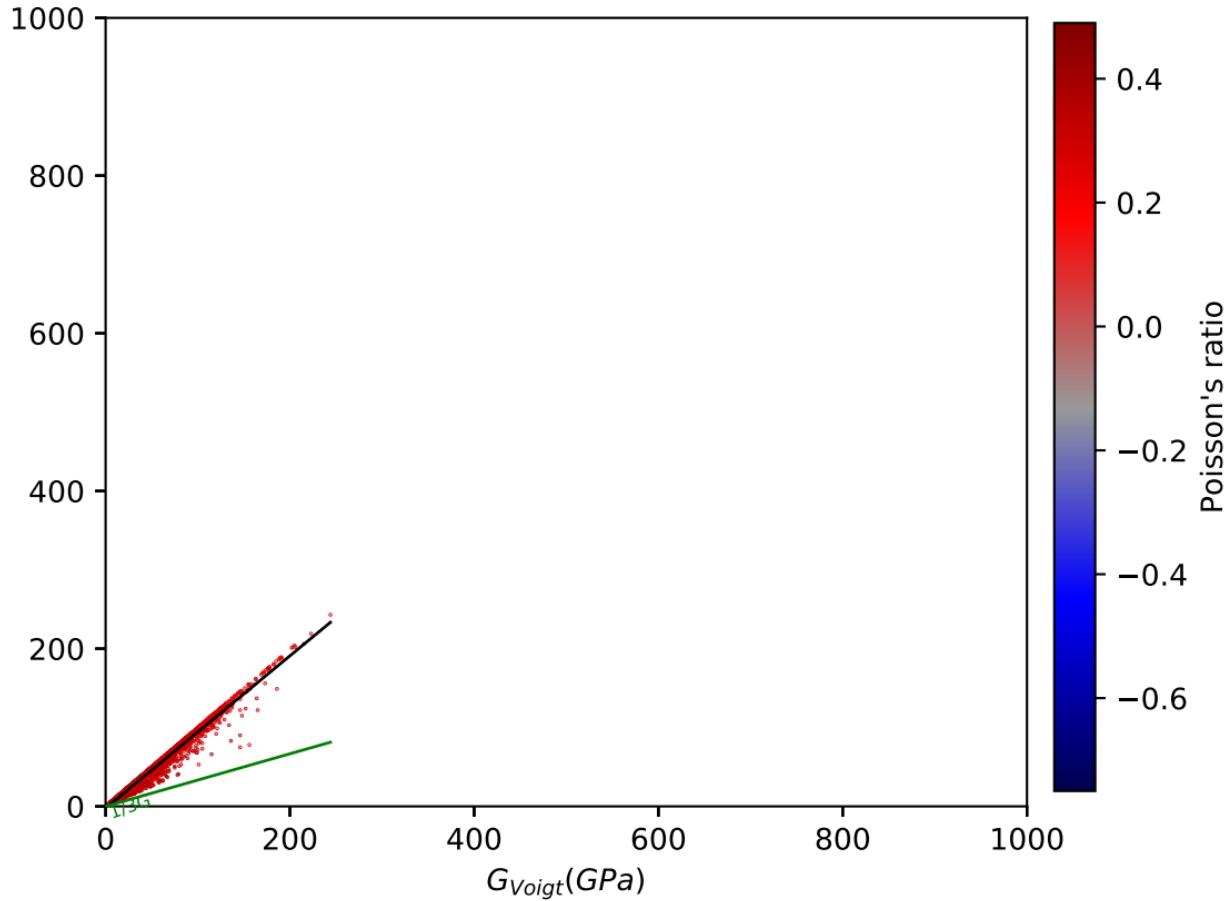


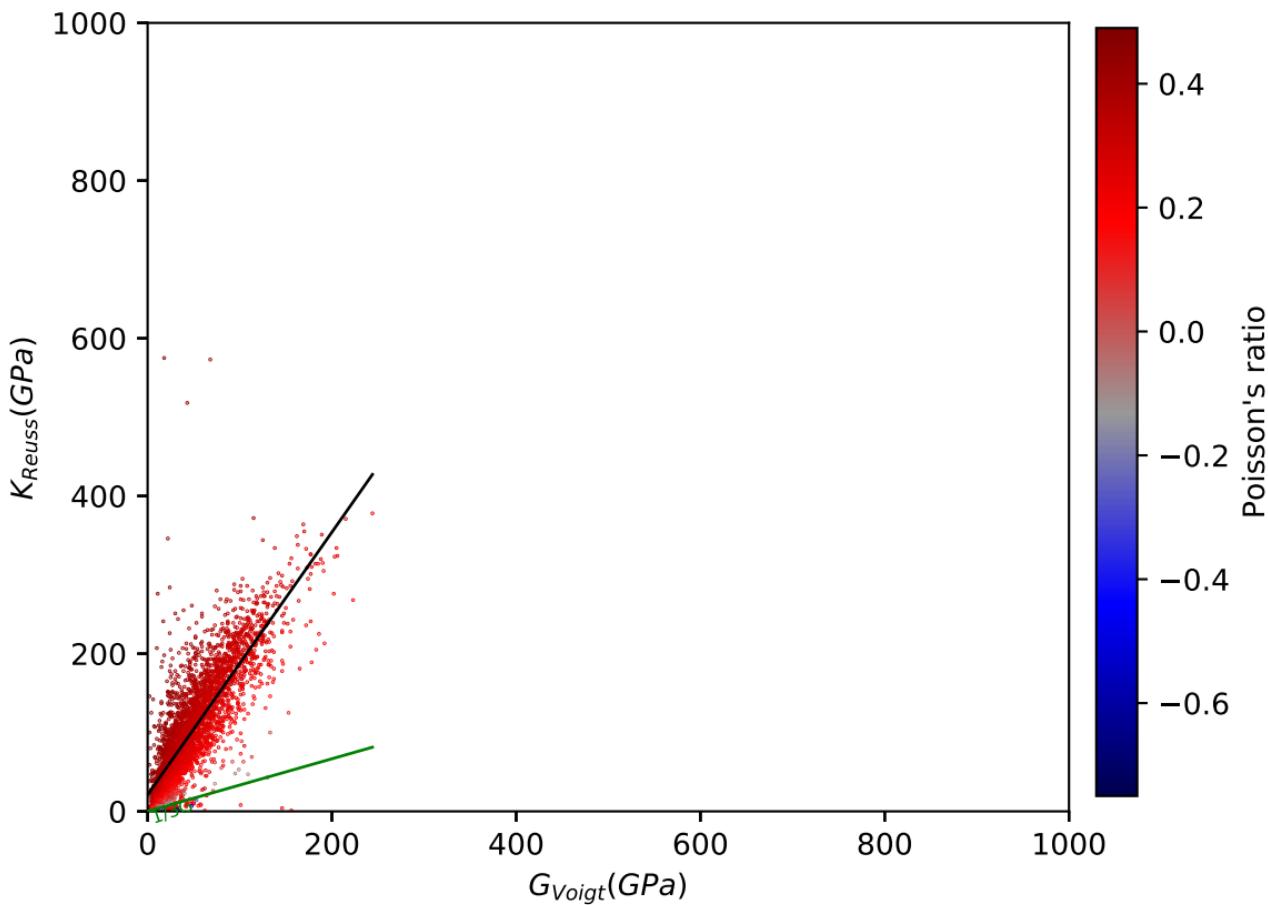


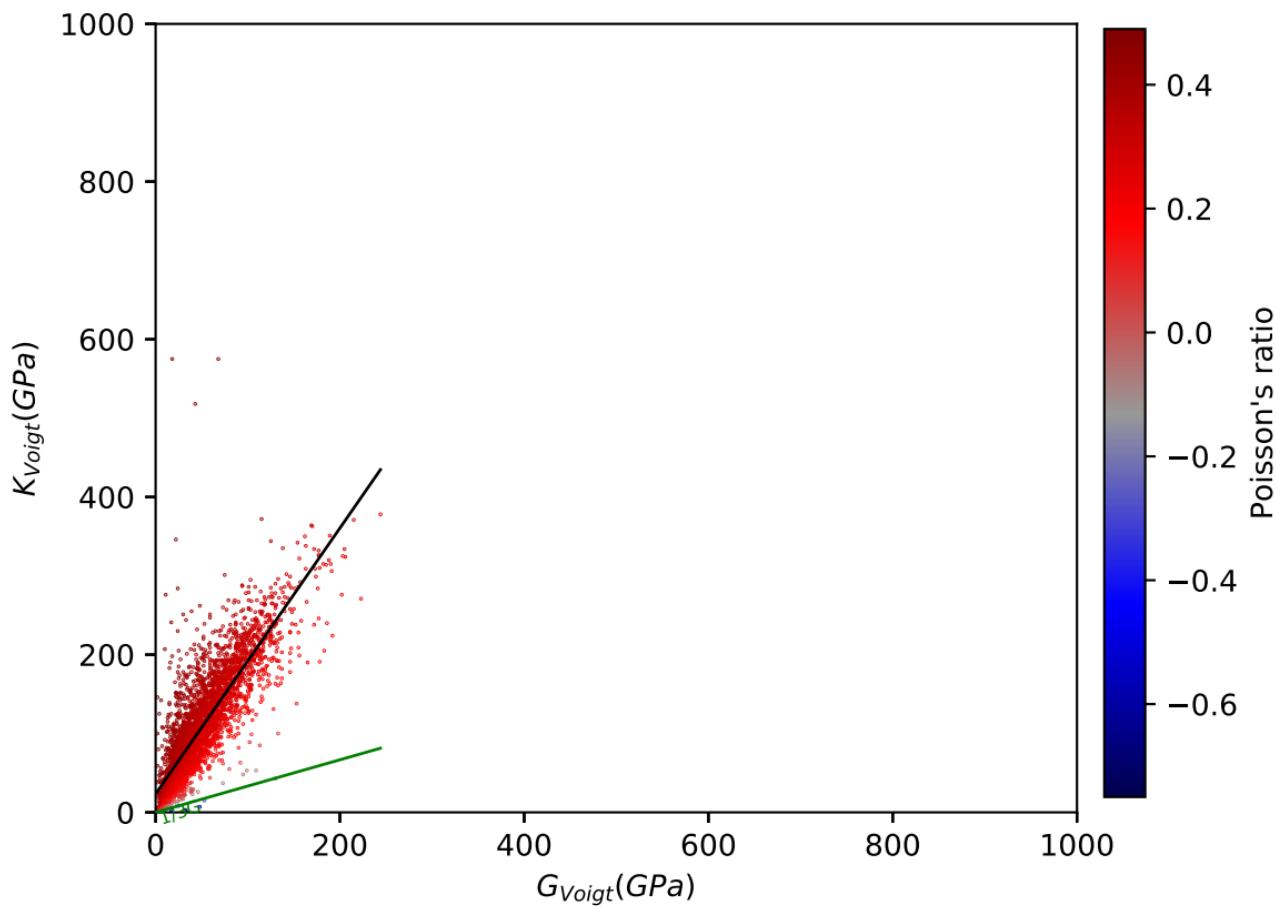


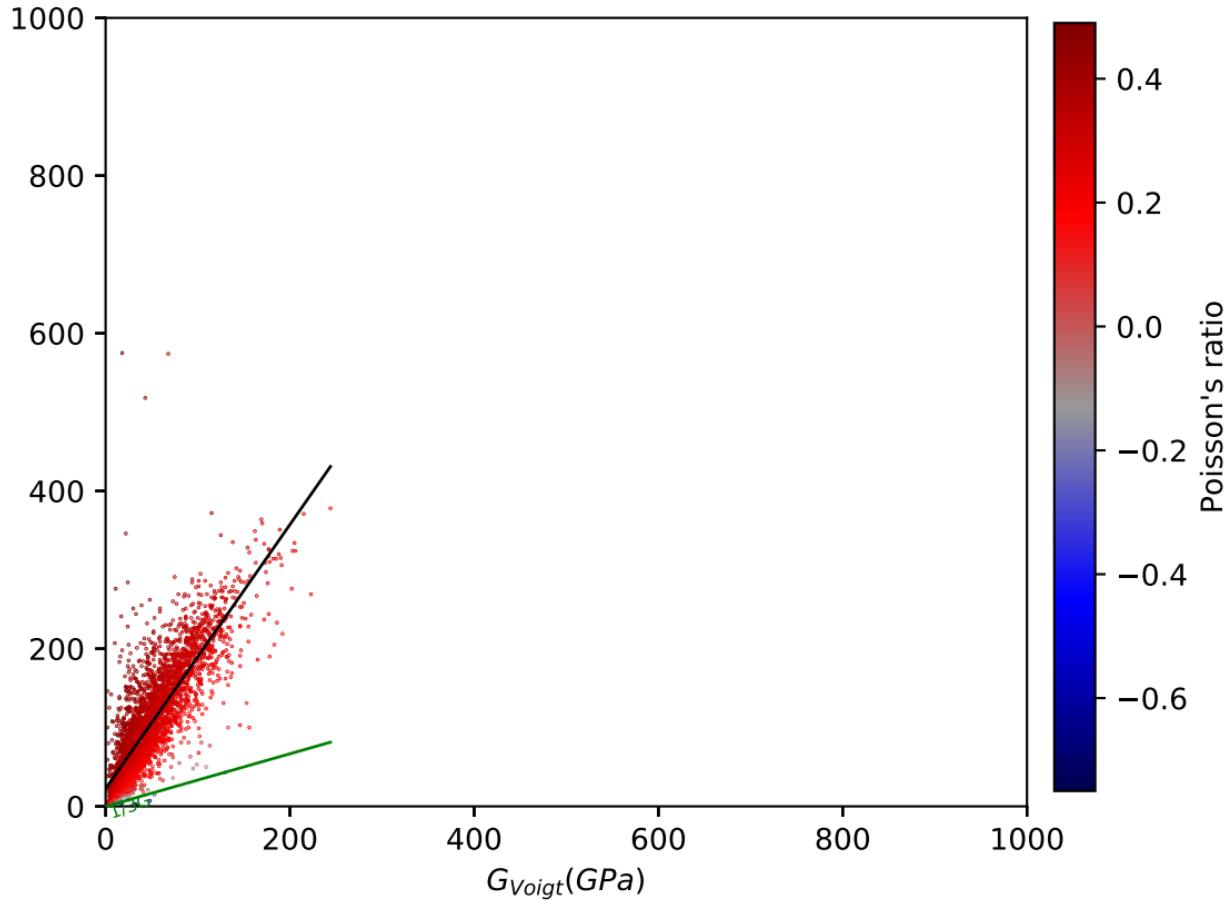


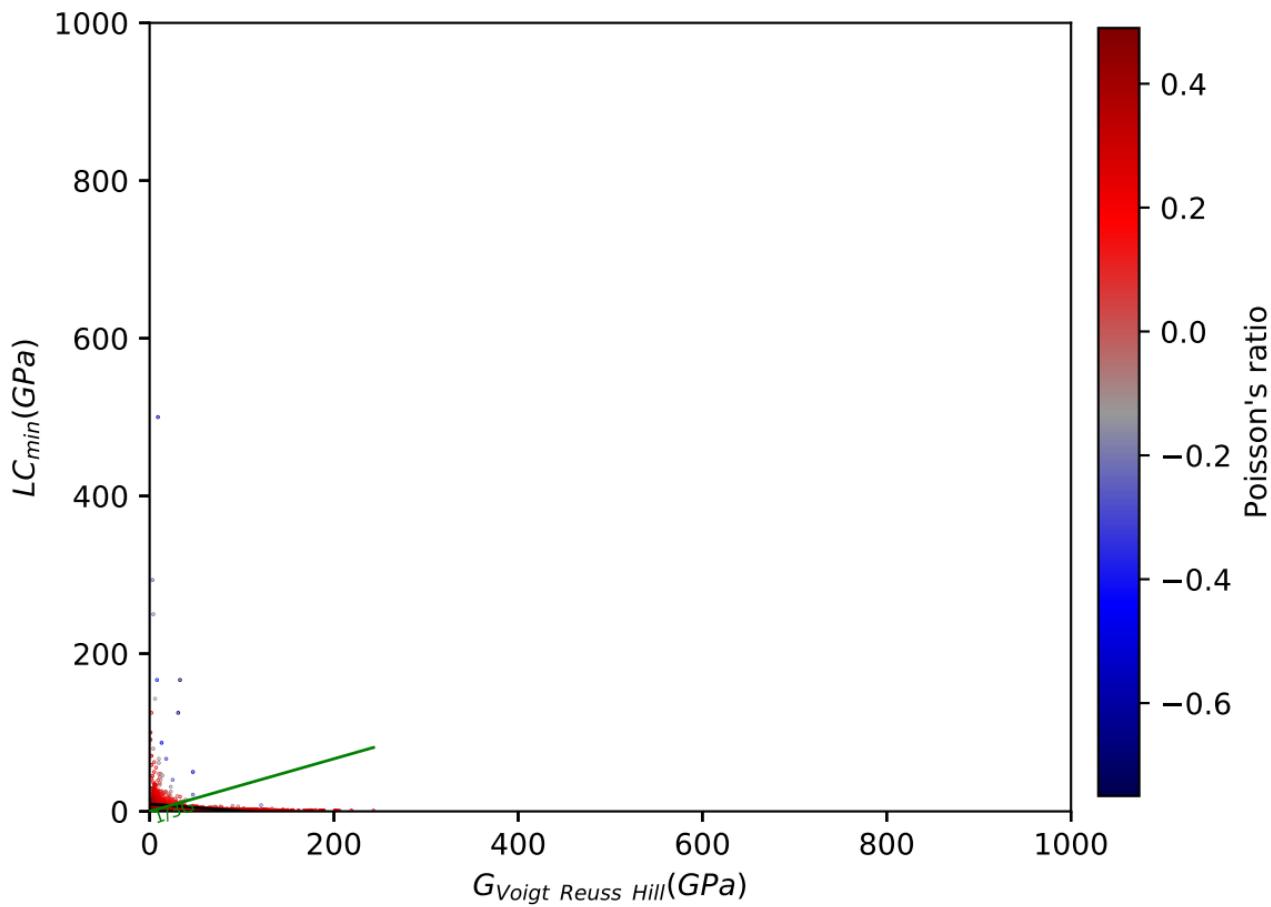
$G_{Voigt \text{ Reuss } Hill}(GPa)$

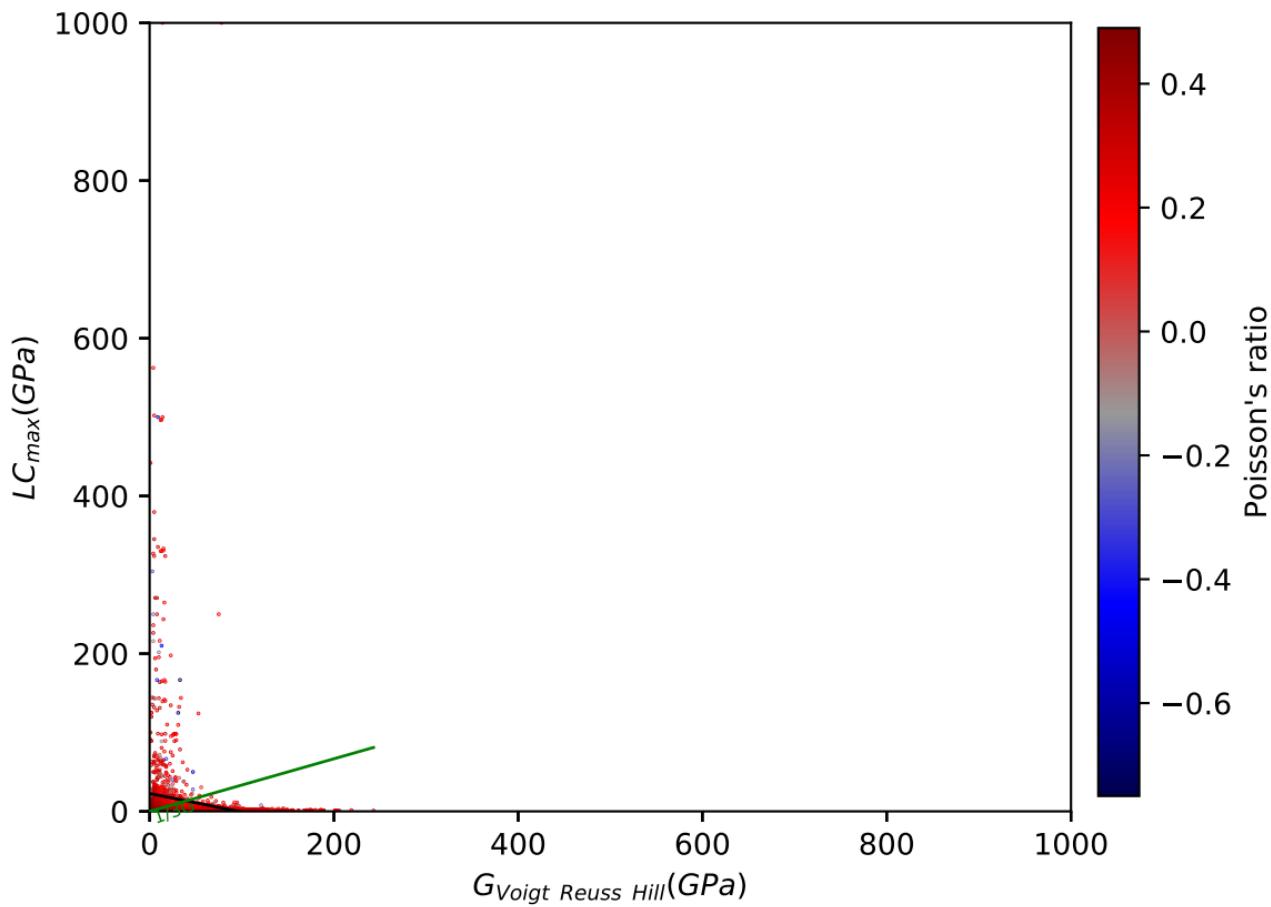


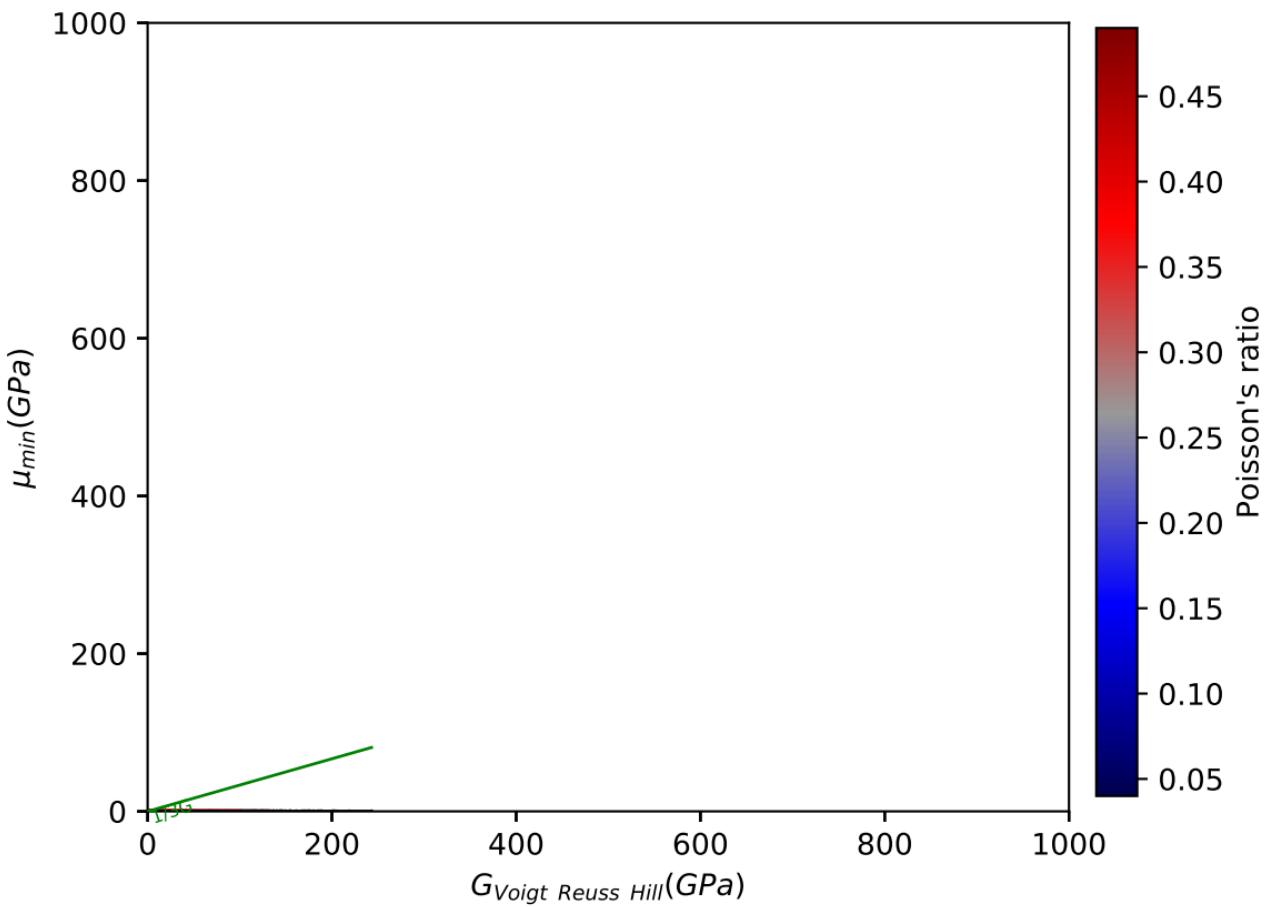


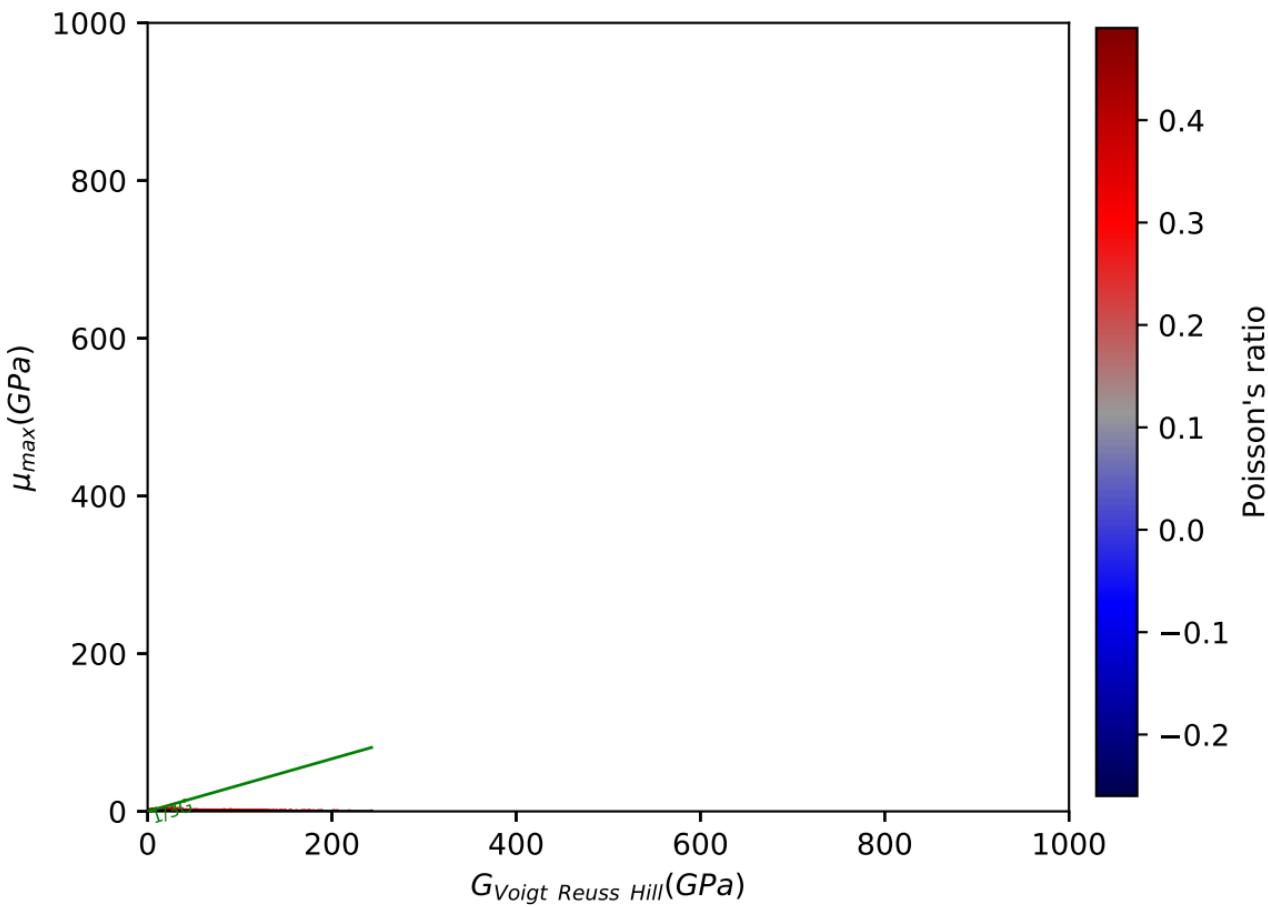


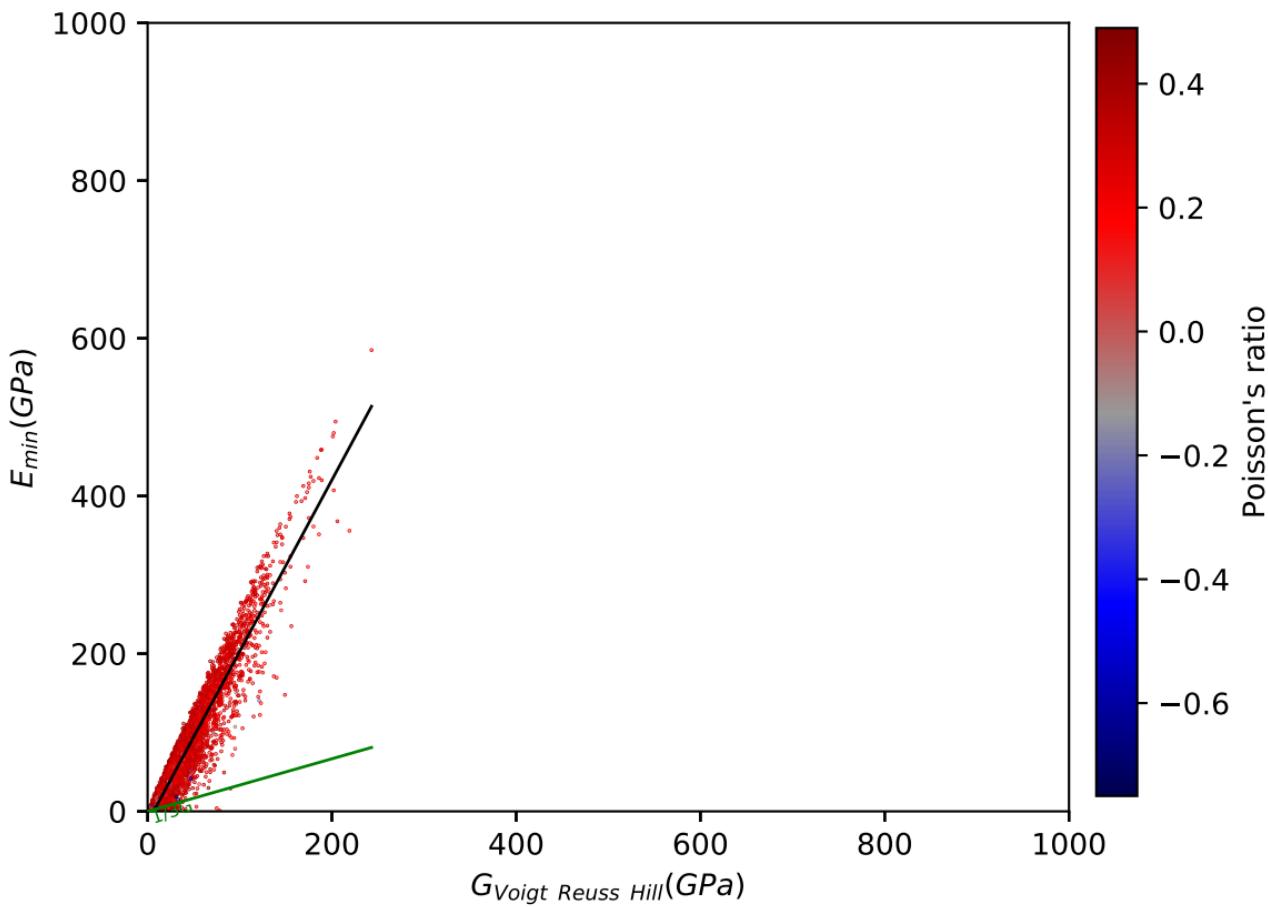
$K_{Voigt\text{ Reuss\ Hill}}(GPa)$ 

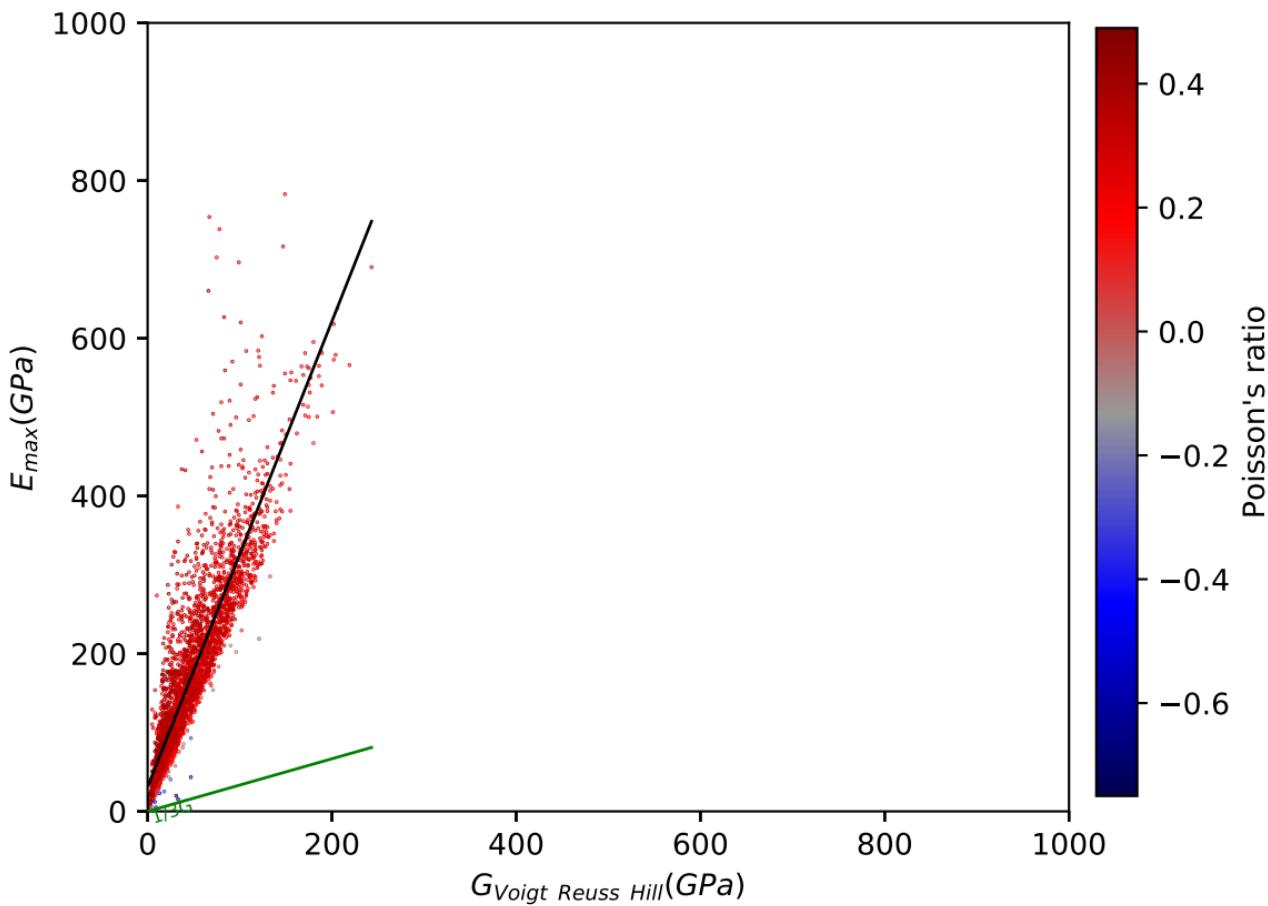


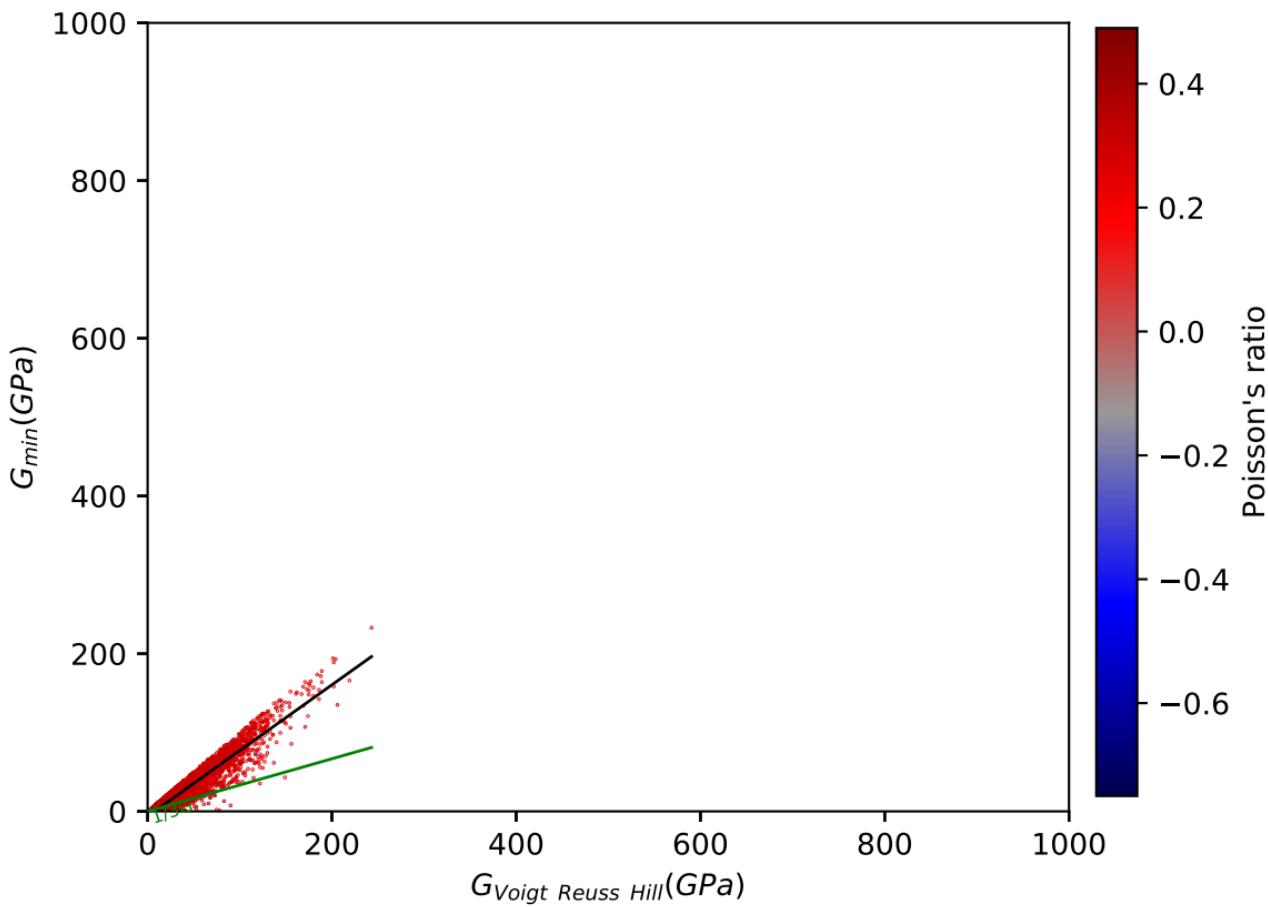


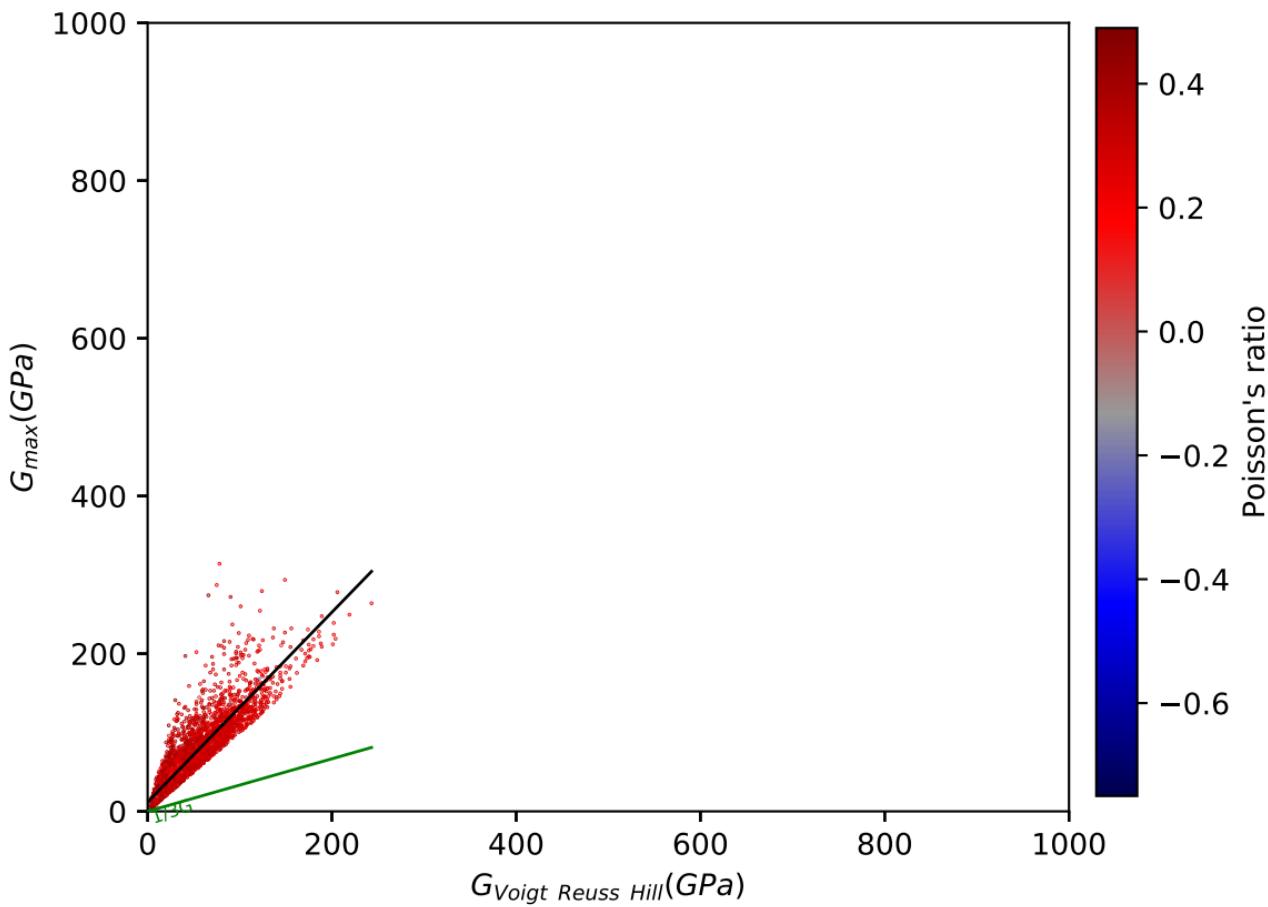


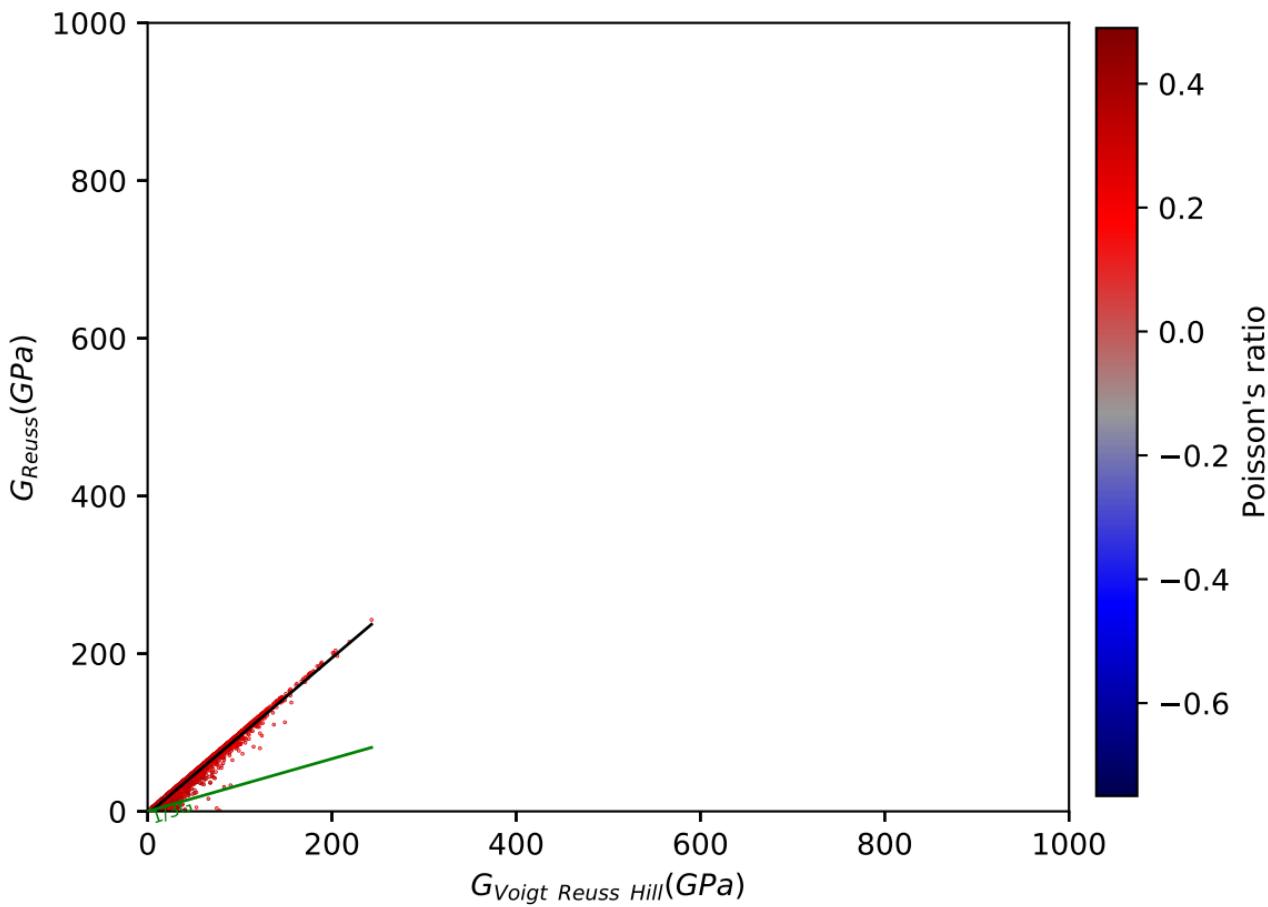


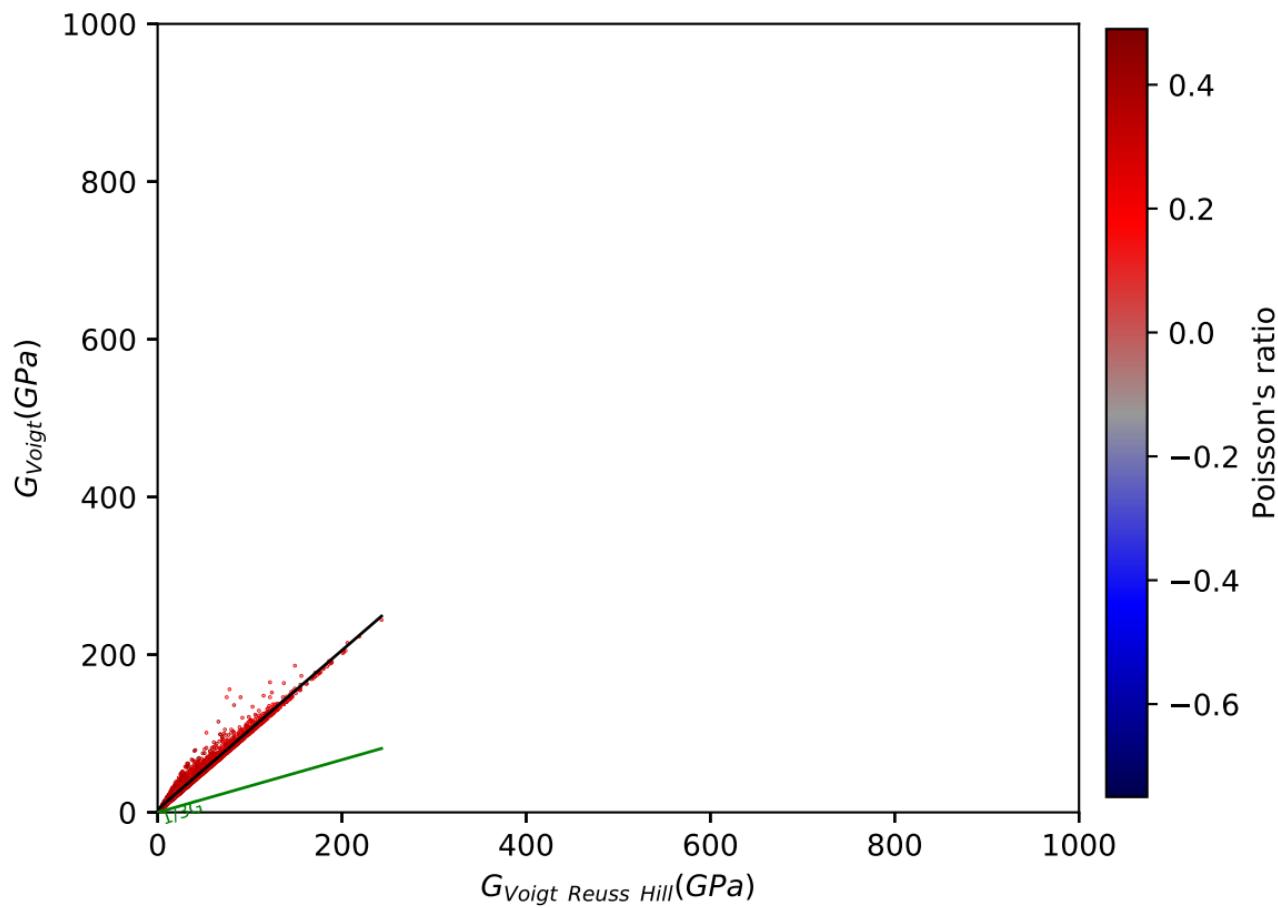


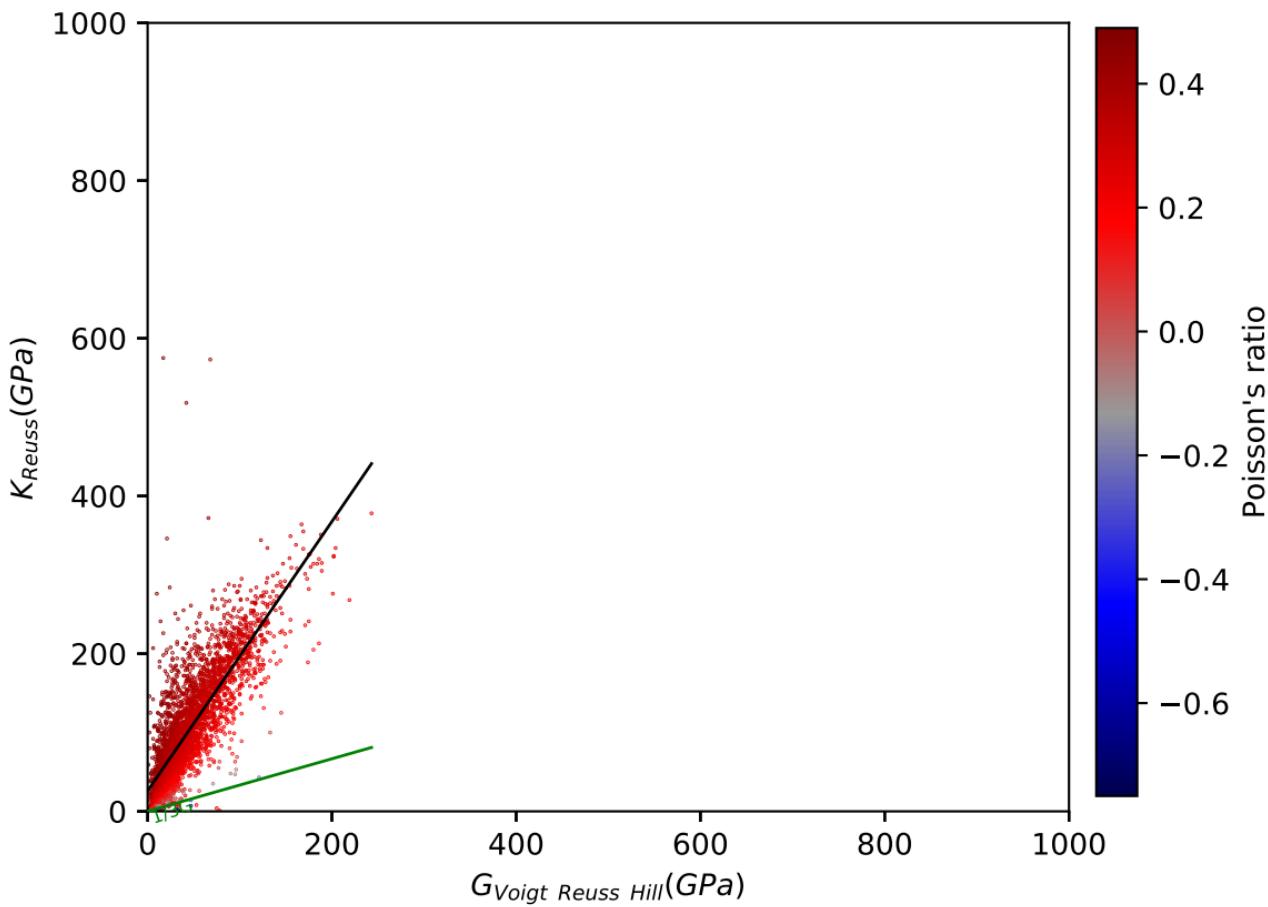


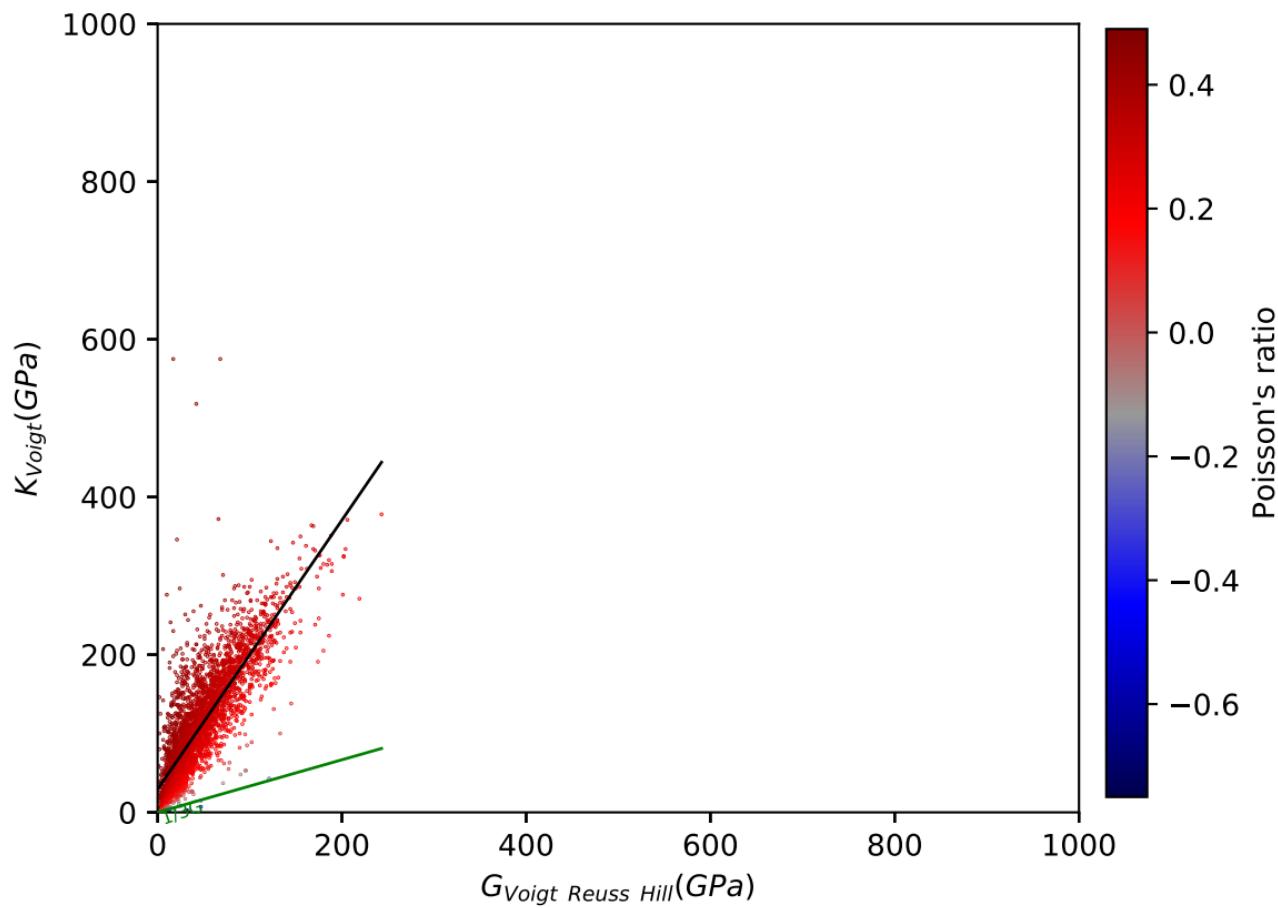




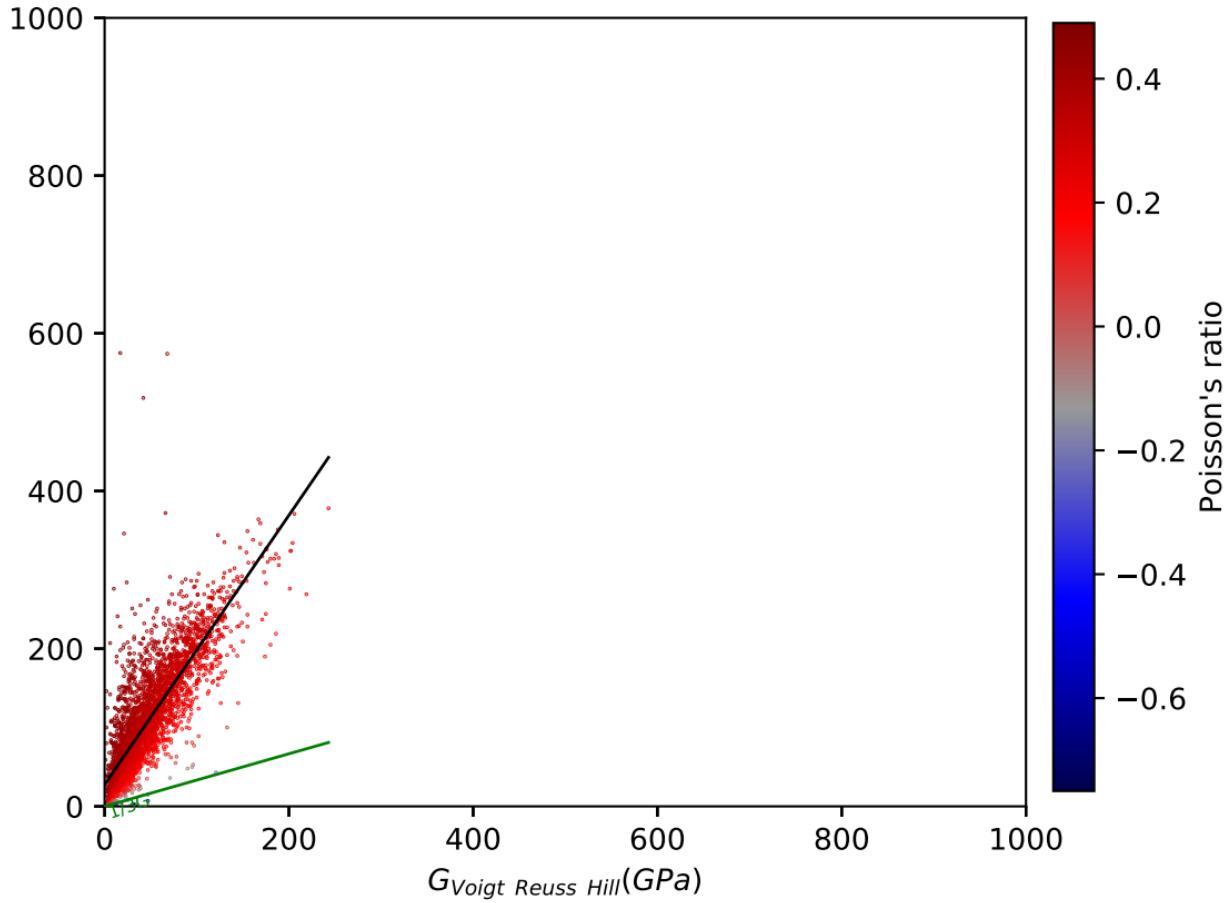


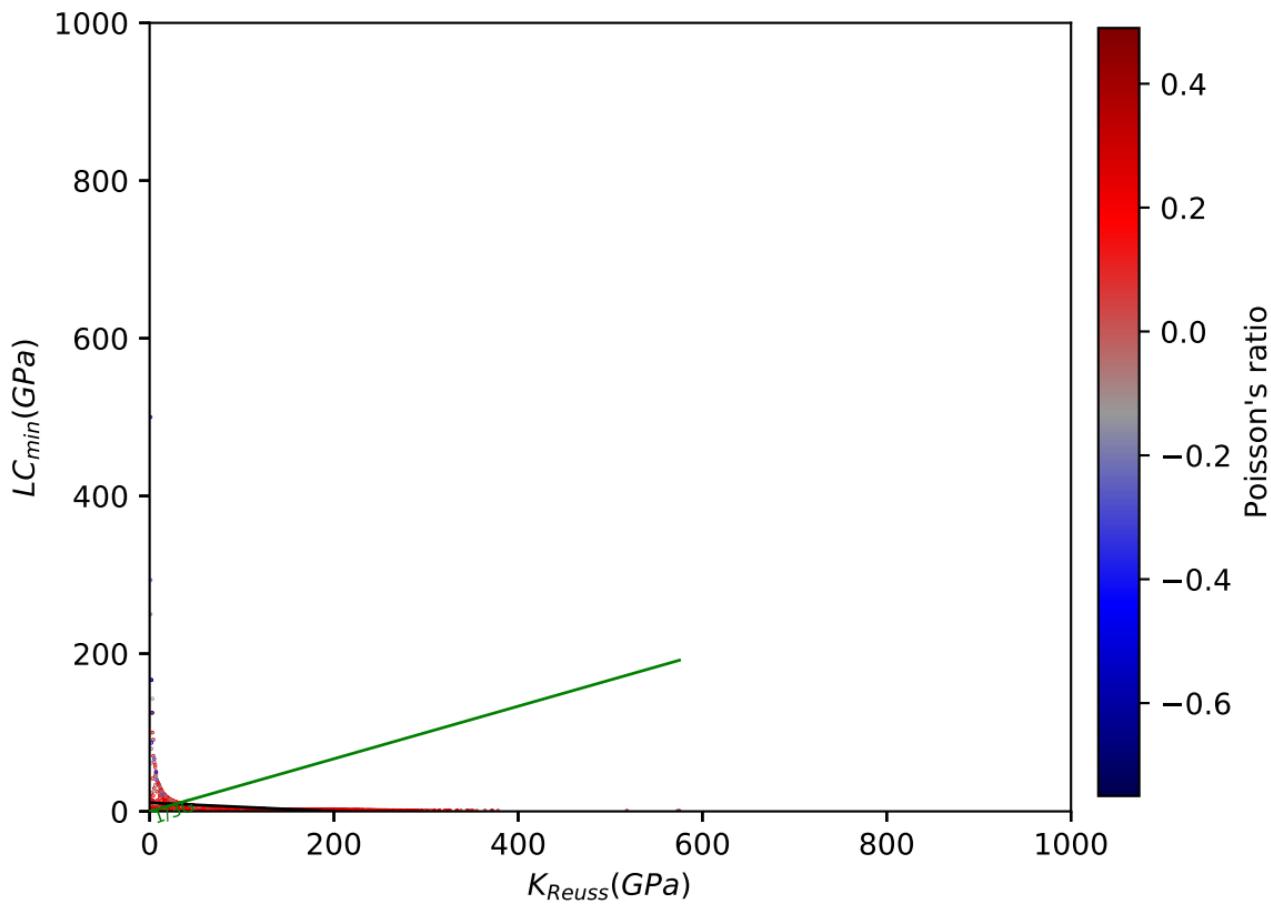


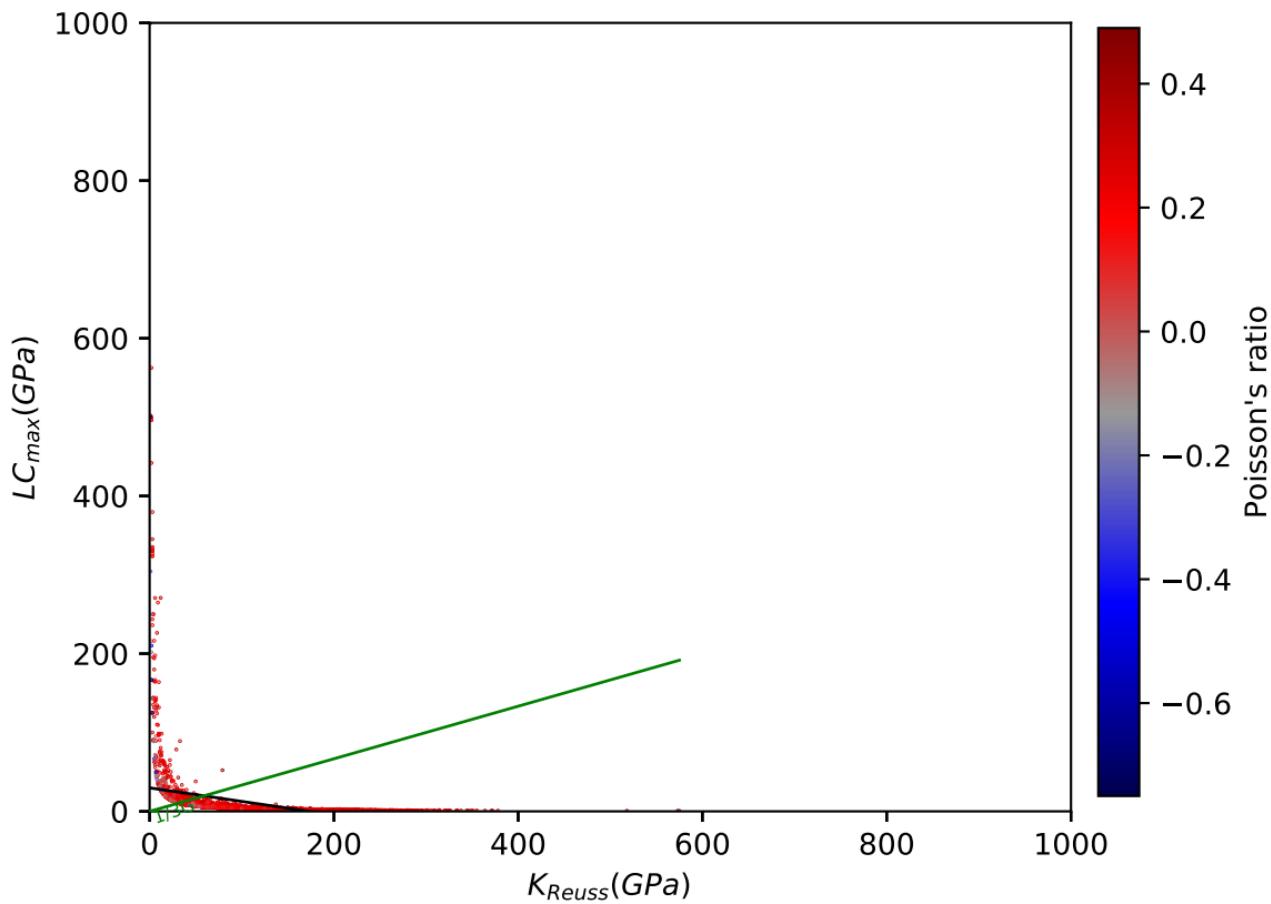


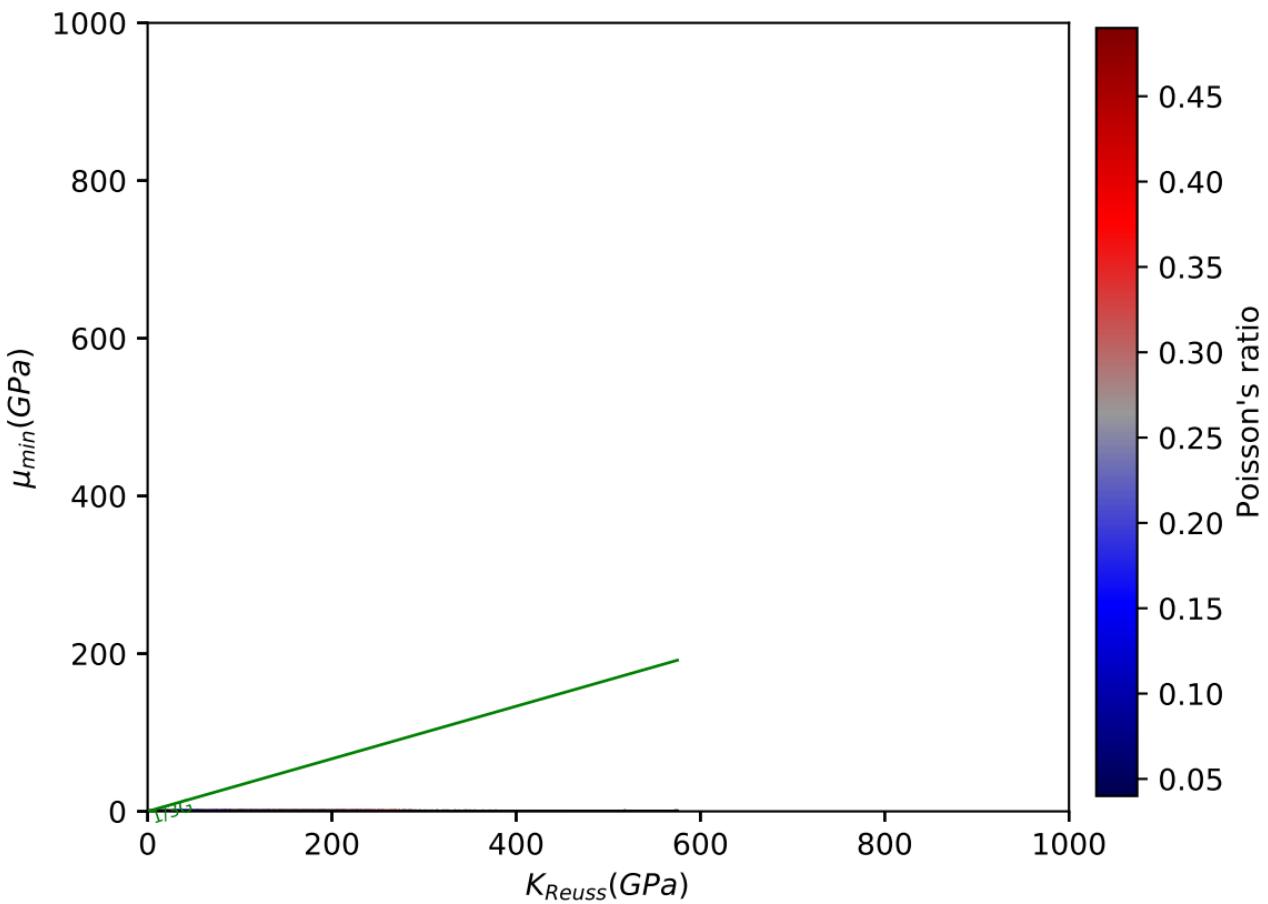


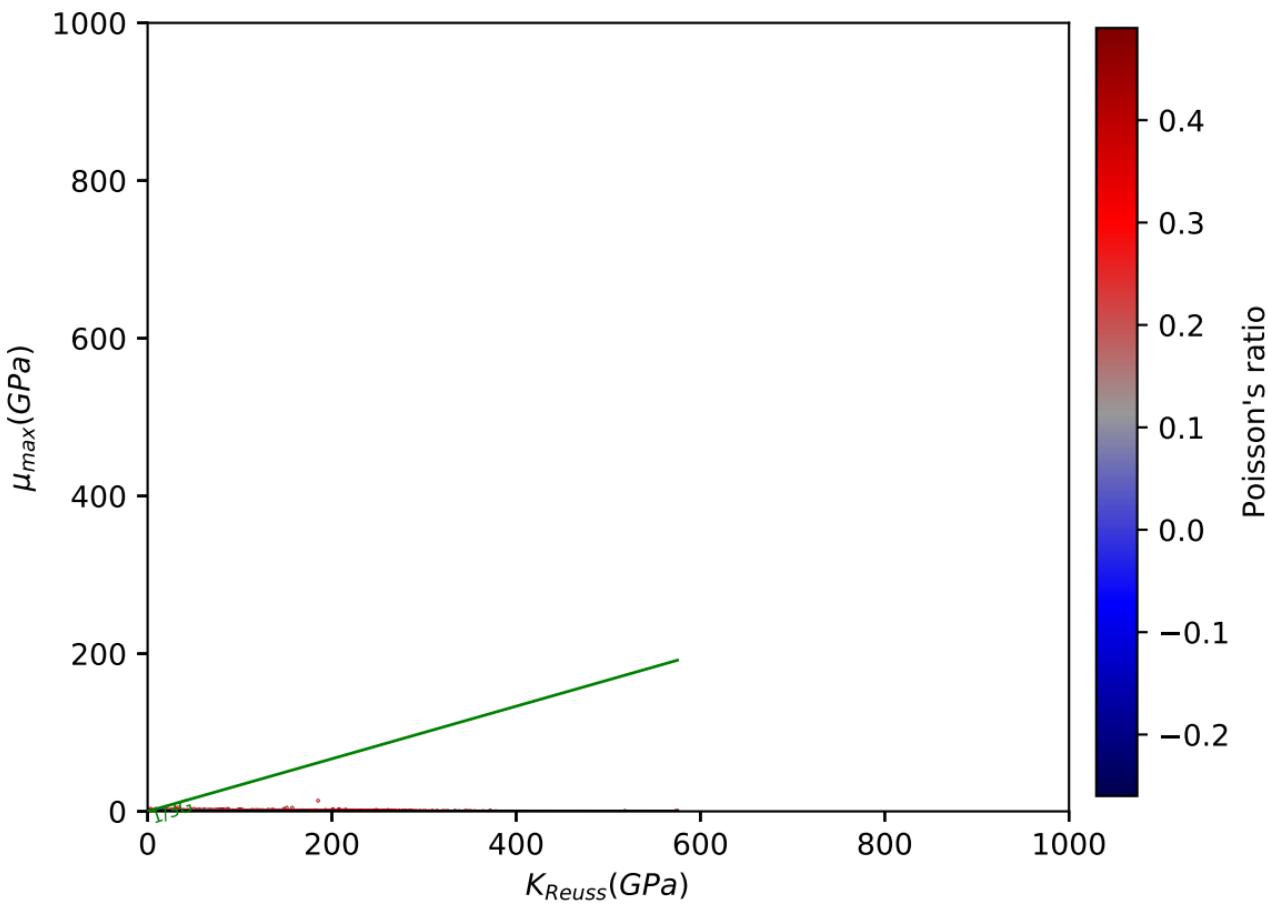
$K_{\text{Voigt Reuss Hill}}(\text{GPa})$

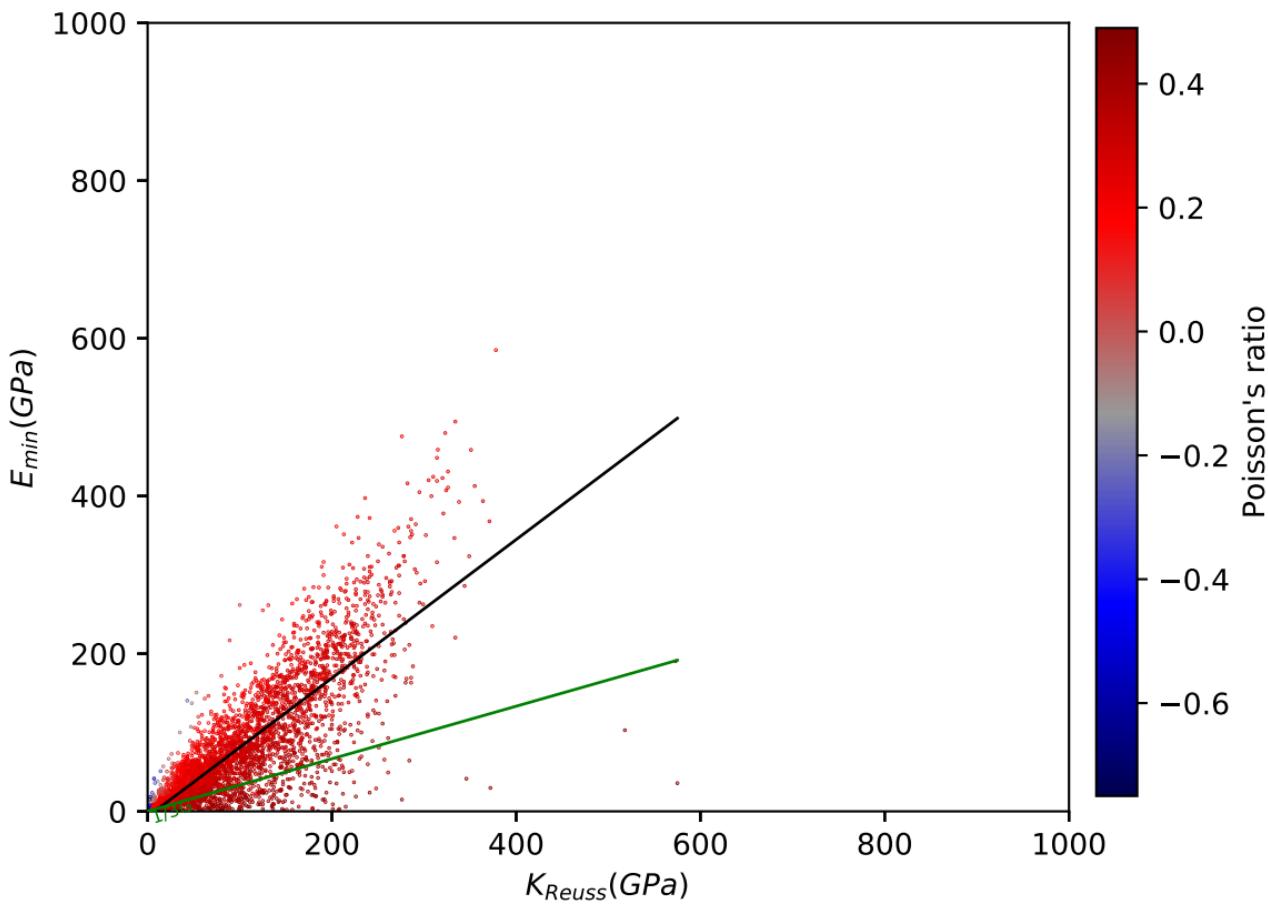


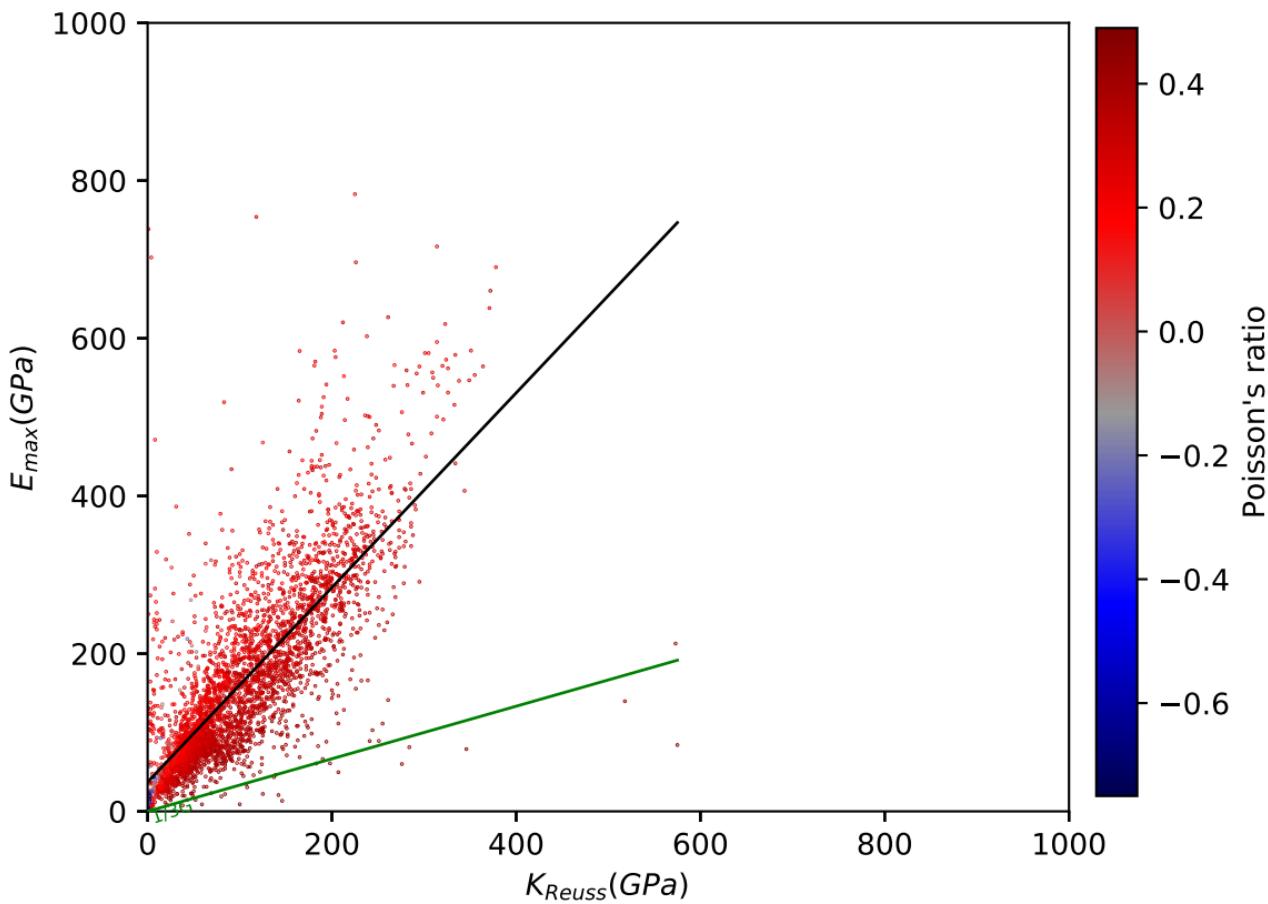


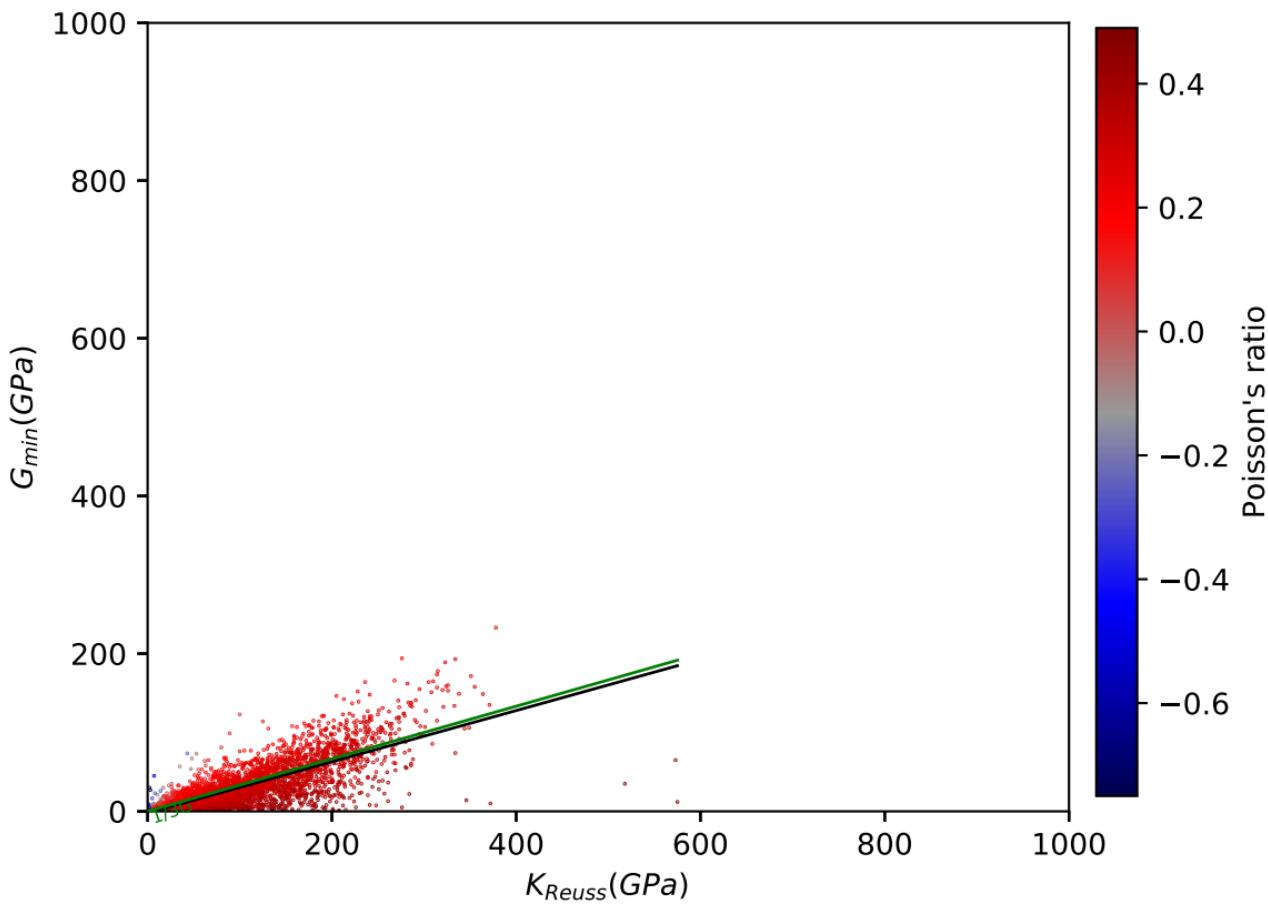


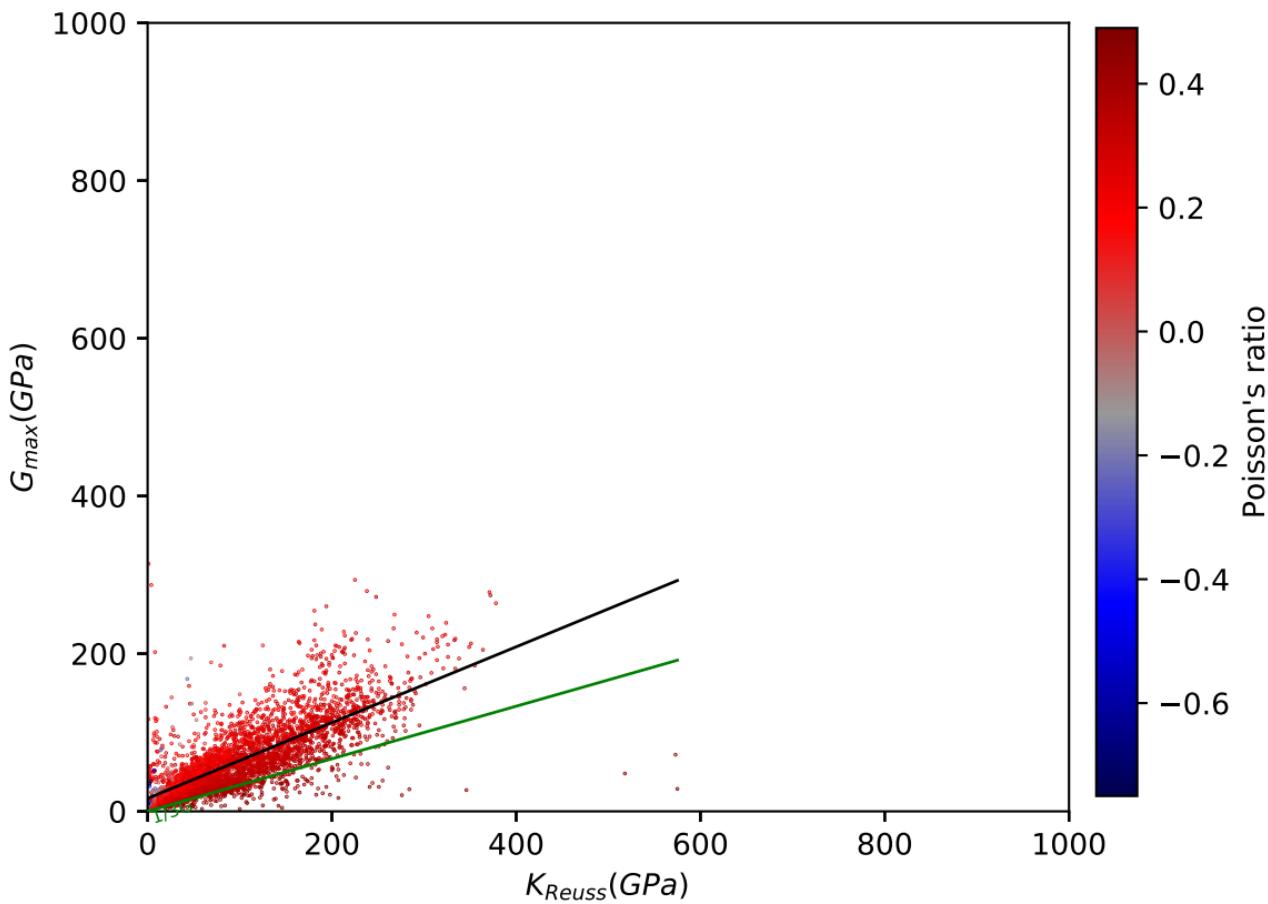


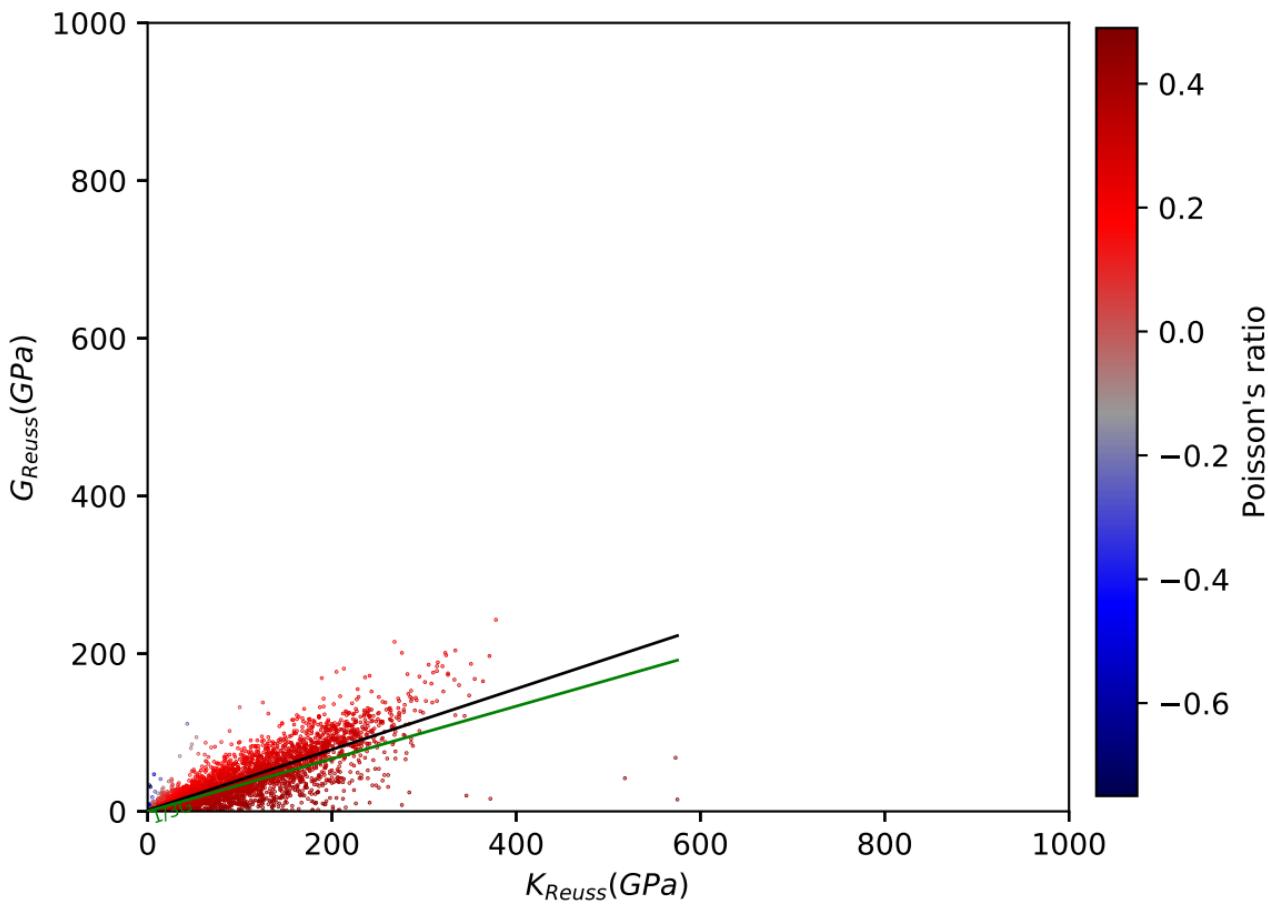


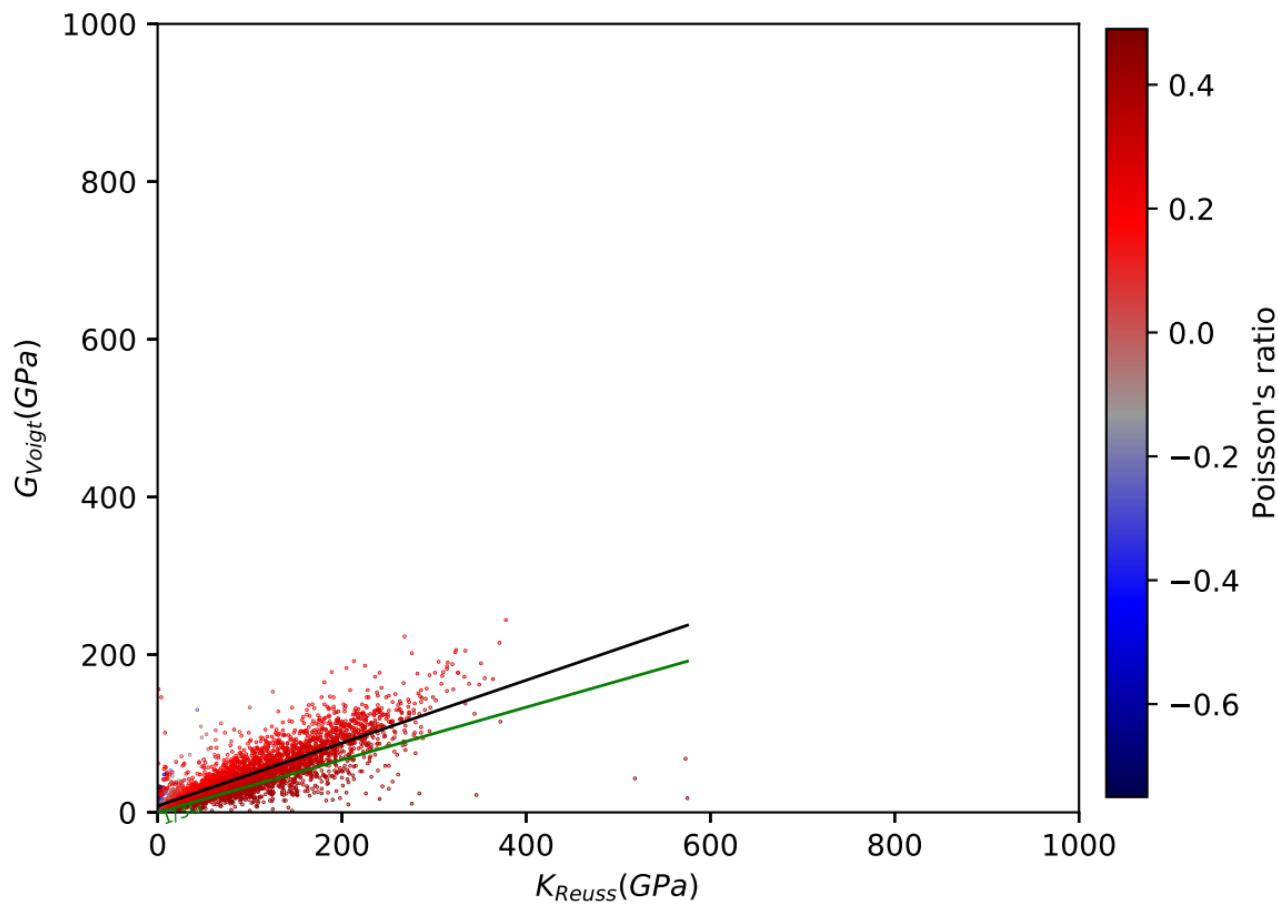




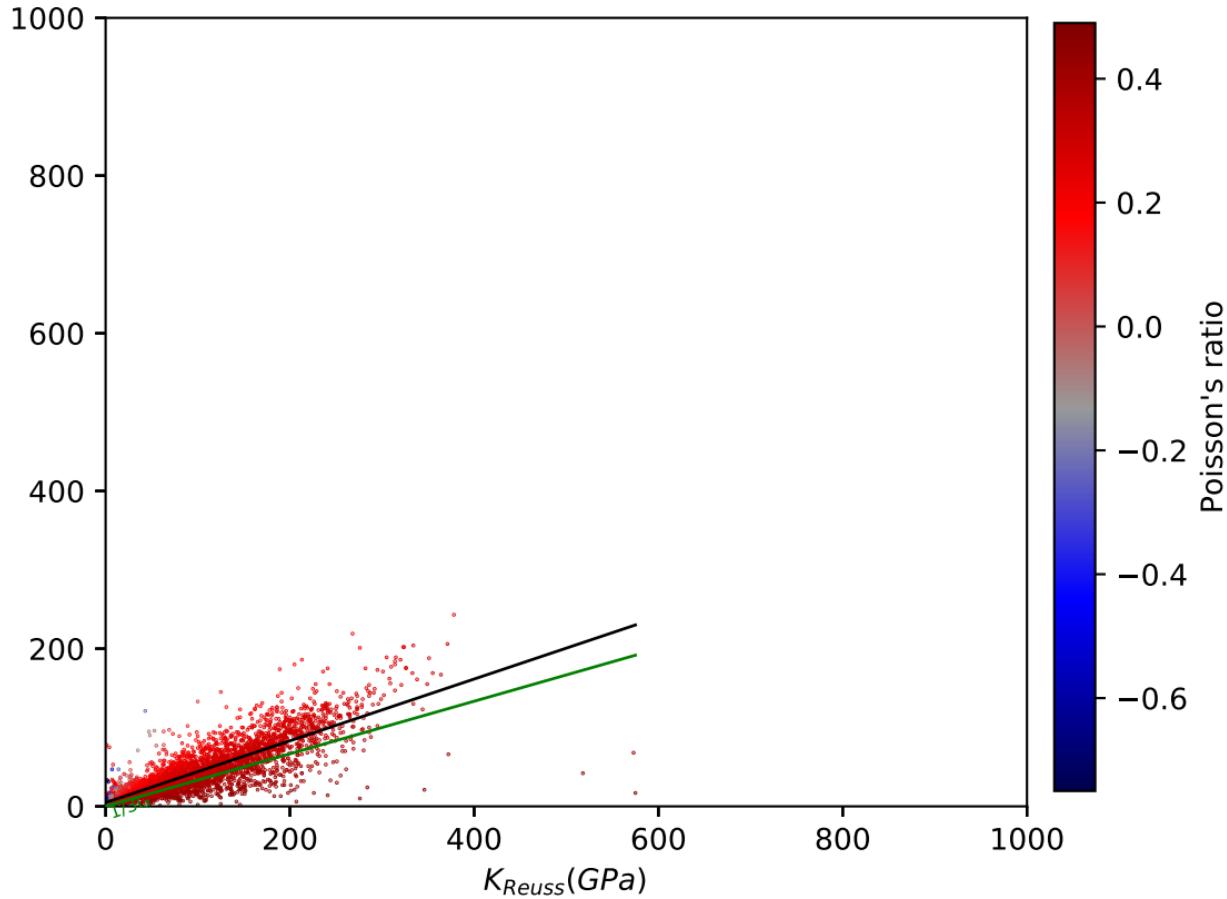


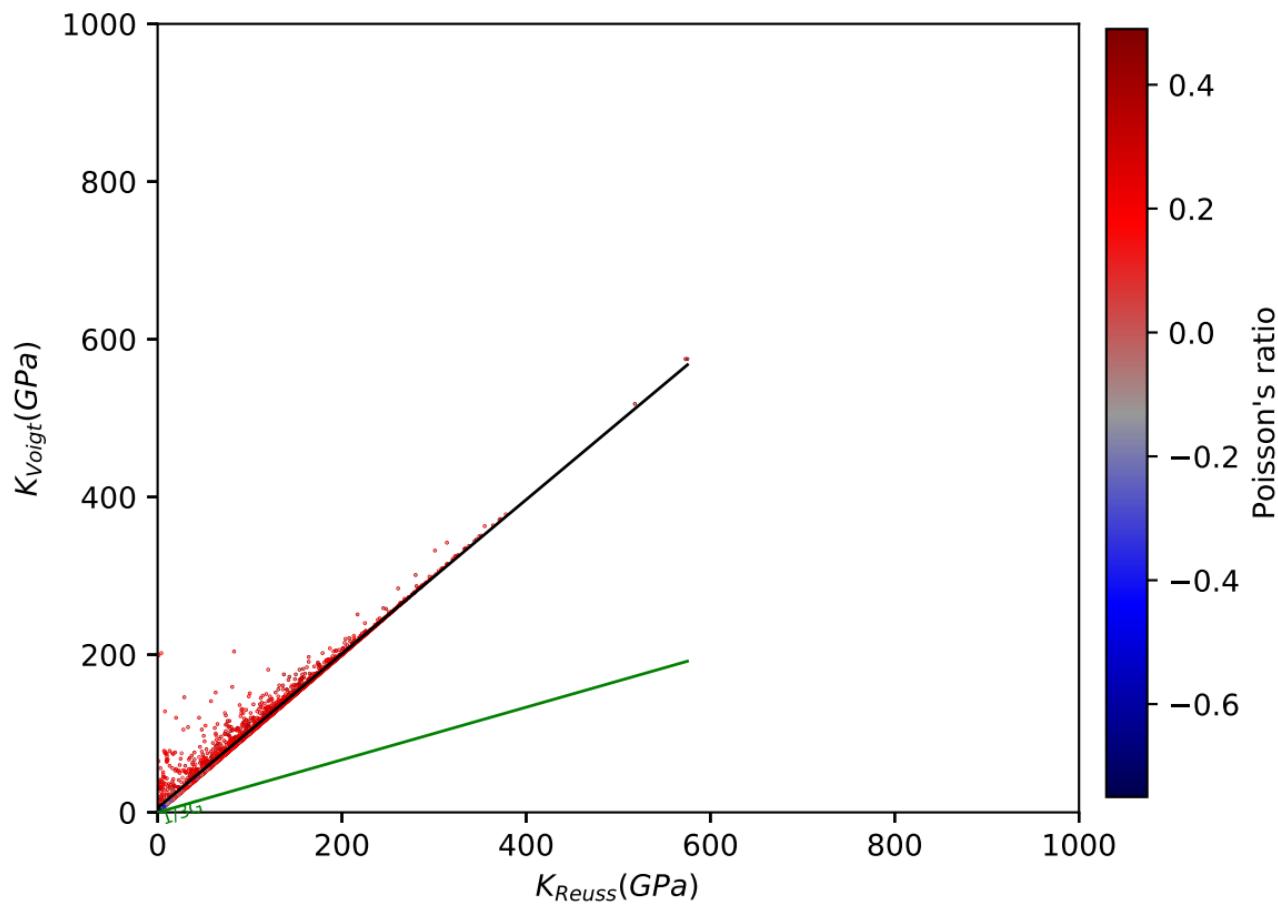






$G_{Voigt\ Reuss\ Hill}(GPa)$





$K_{\text{voigt}} \text{Reuss Hill}(GPa)$

1000

800

600

400

200

0

0

200

400

800

1000

 $K_{\text{Reuss}}(GPa)$

0.4

0.2

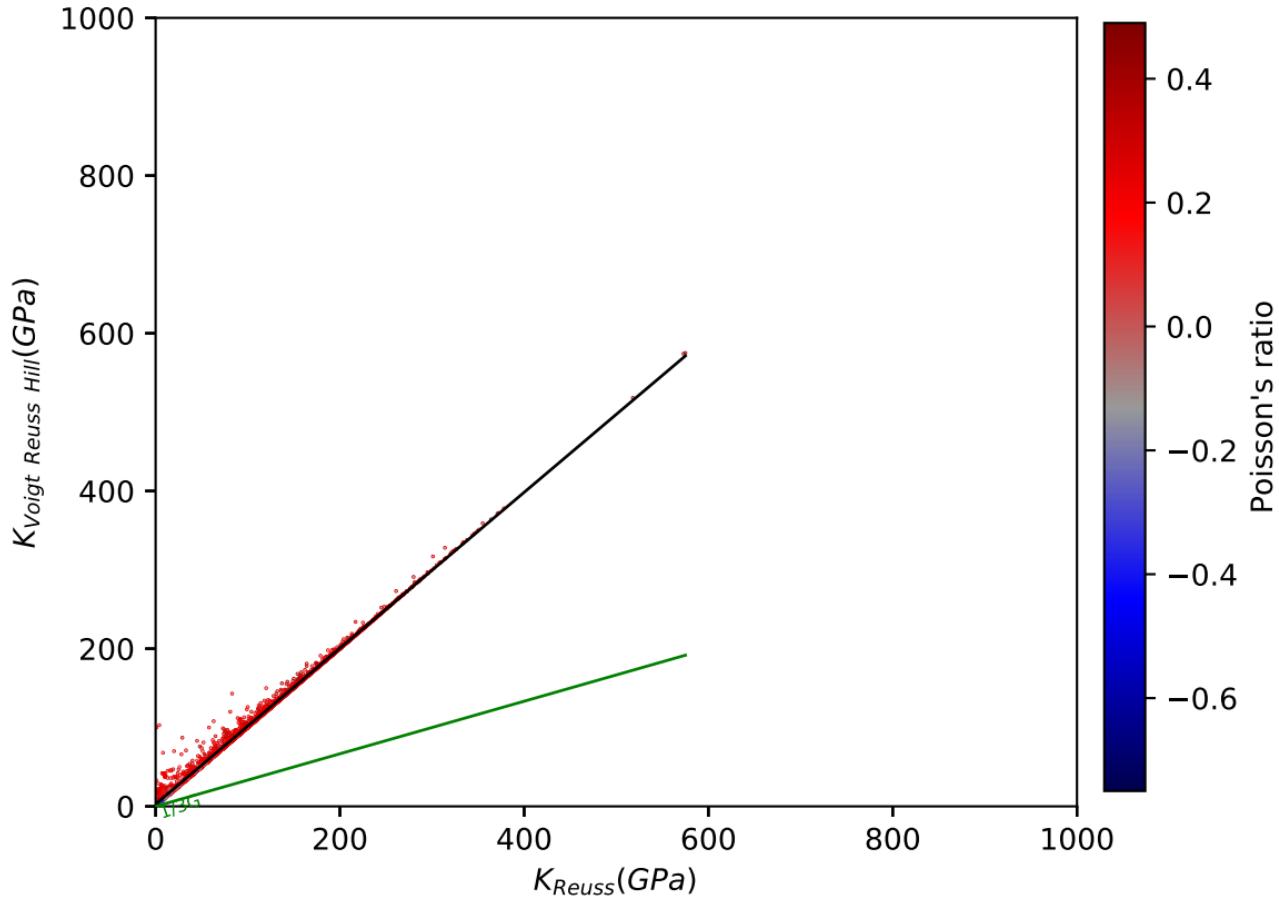
0.0

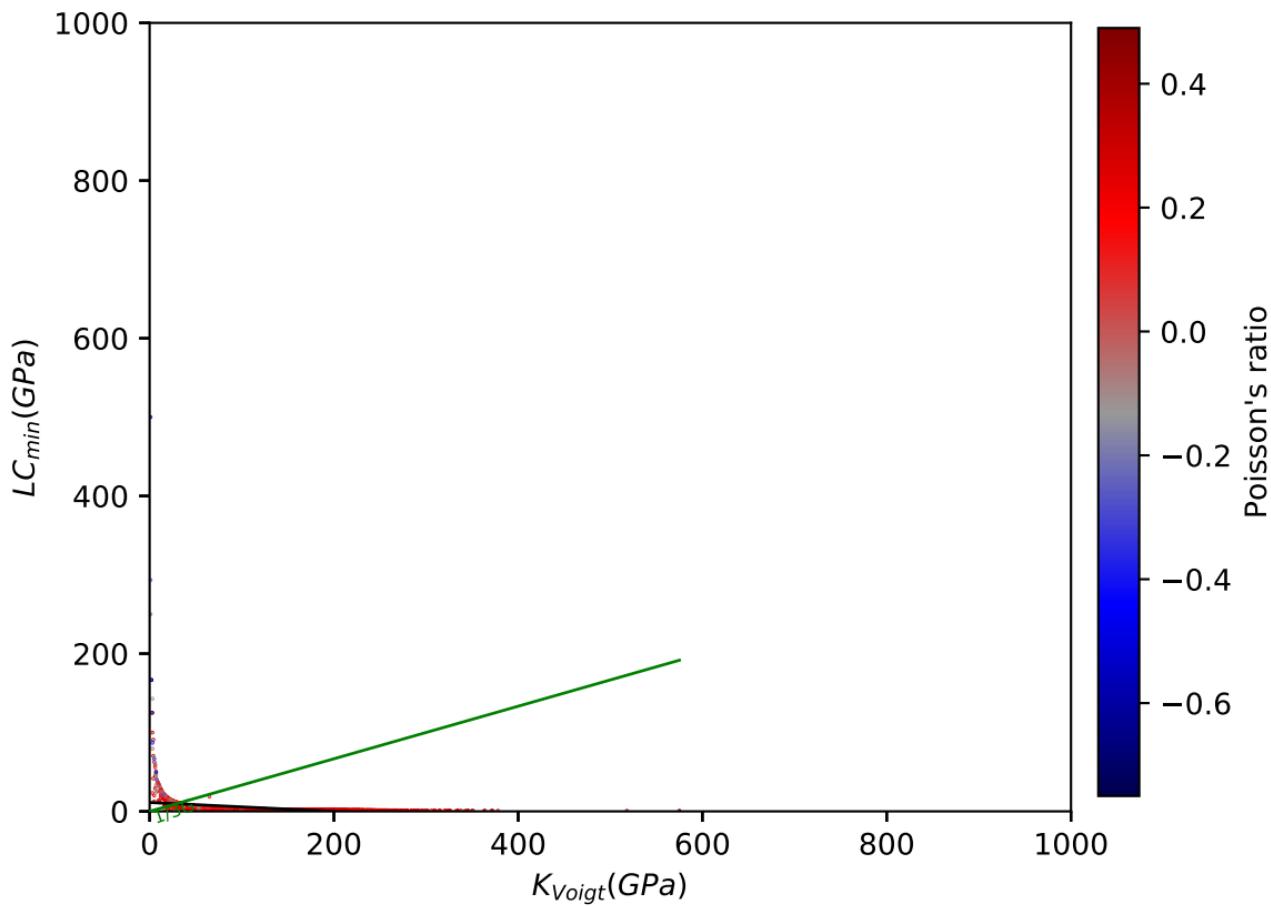
-0.2

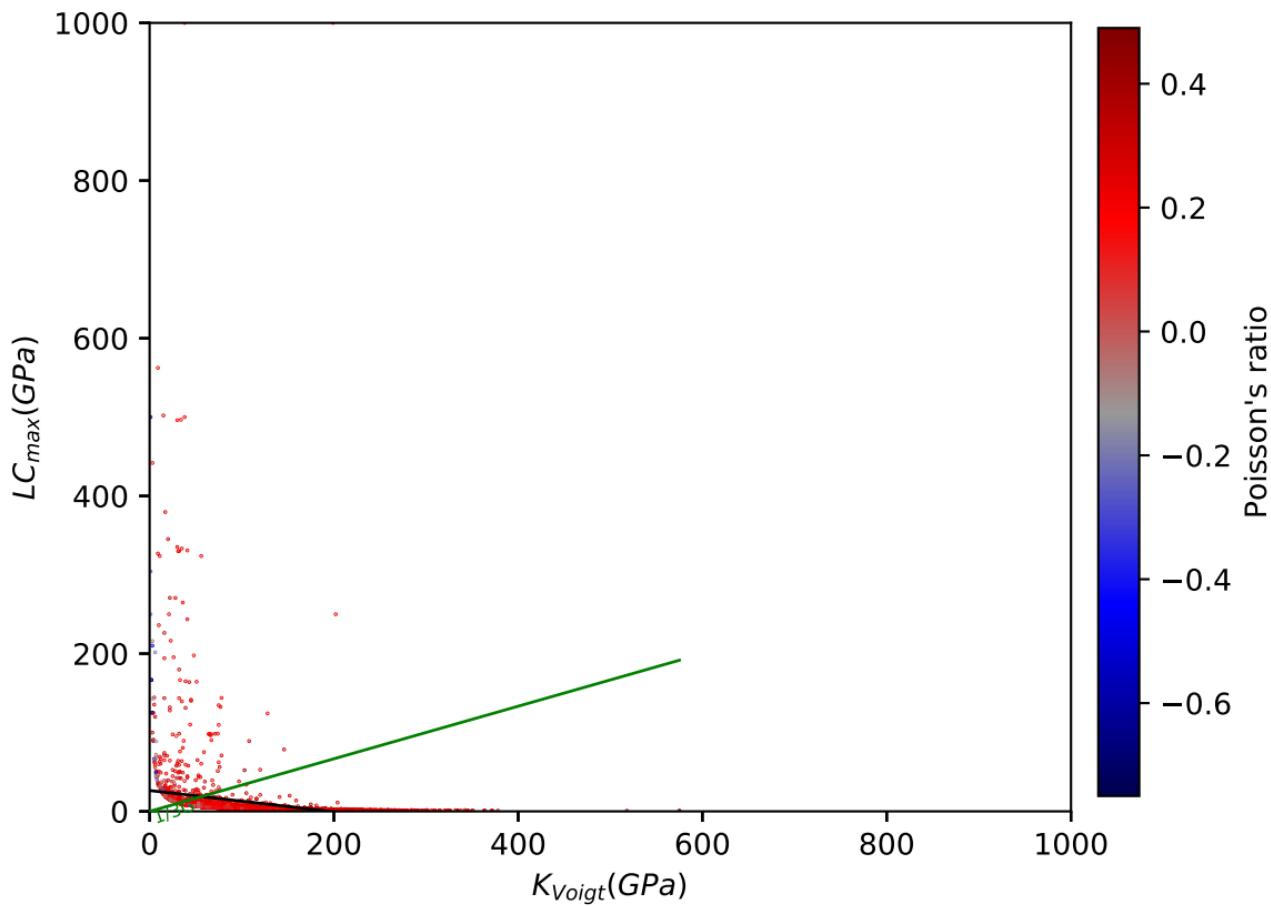
-0.4

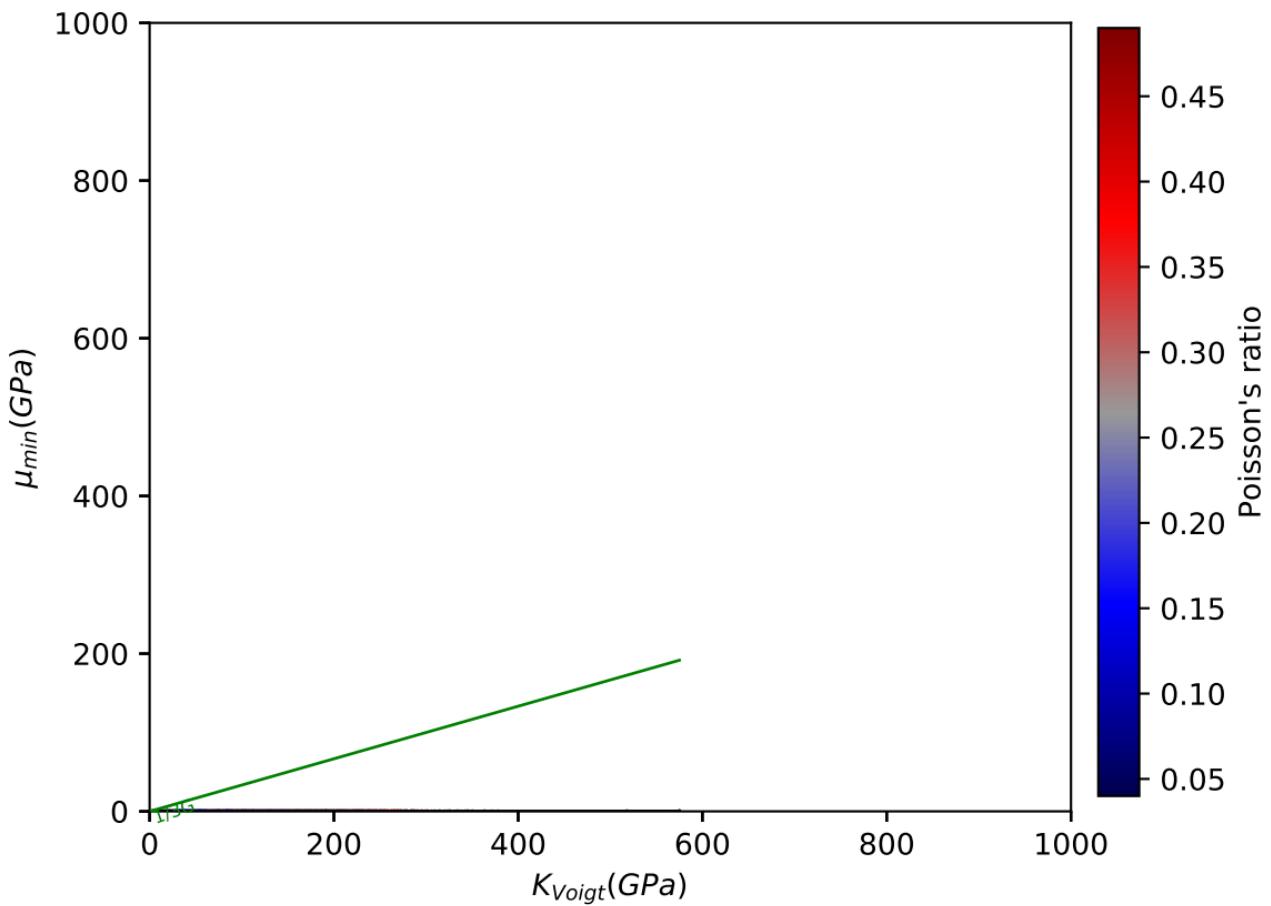
-0.6

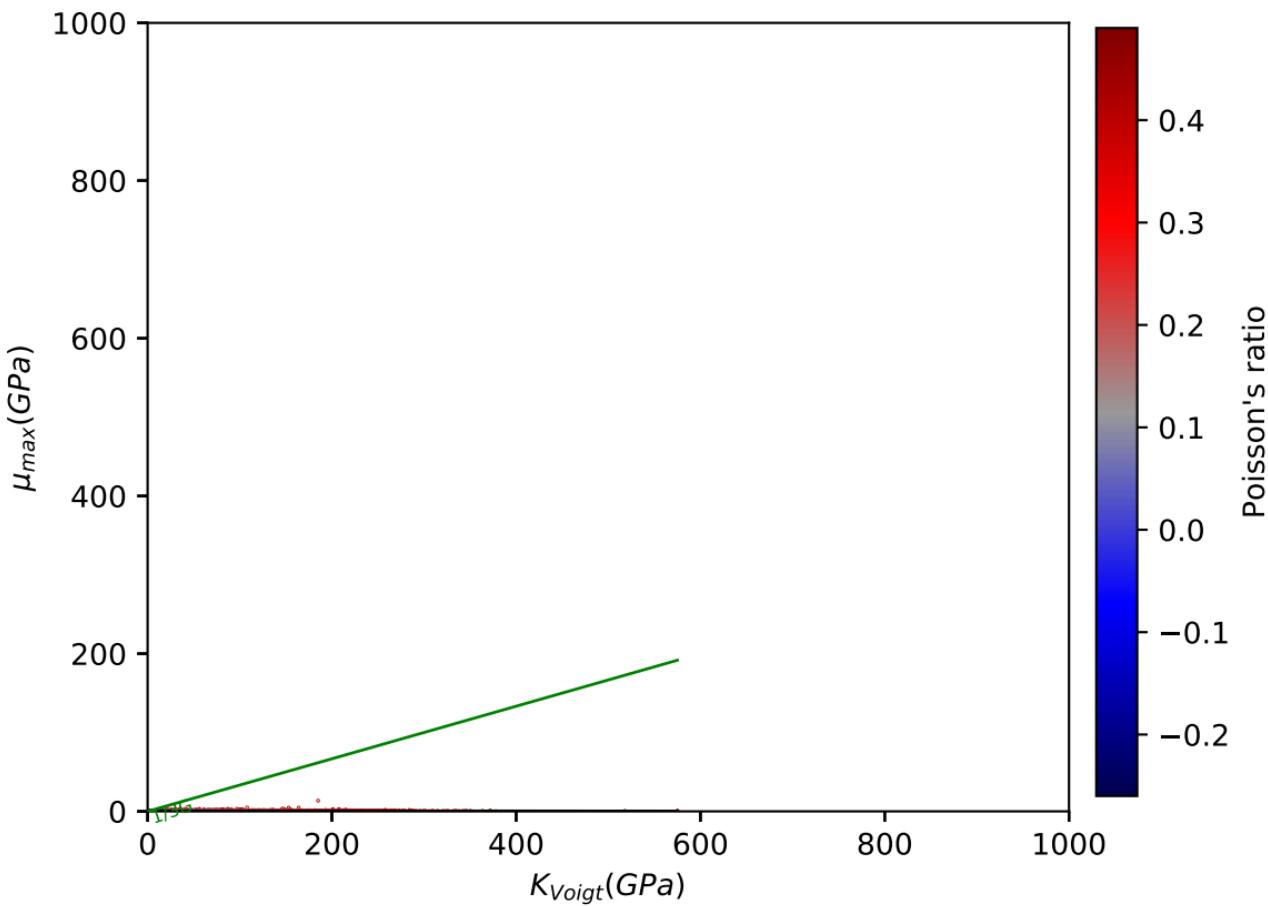
Poisson's ratio

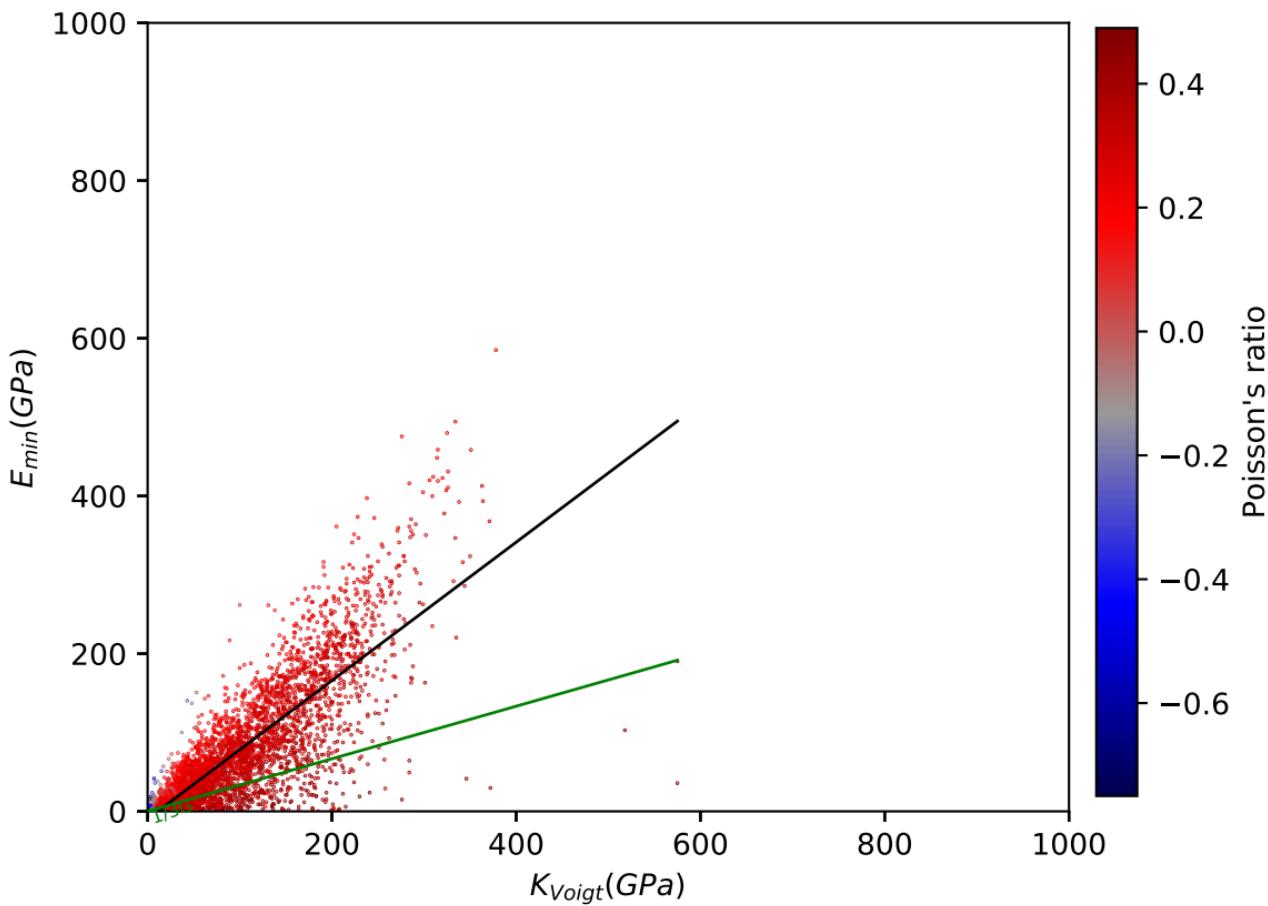


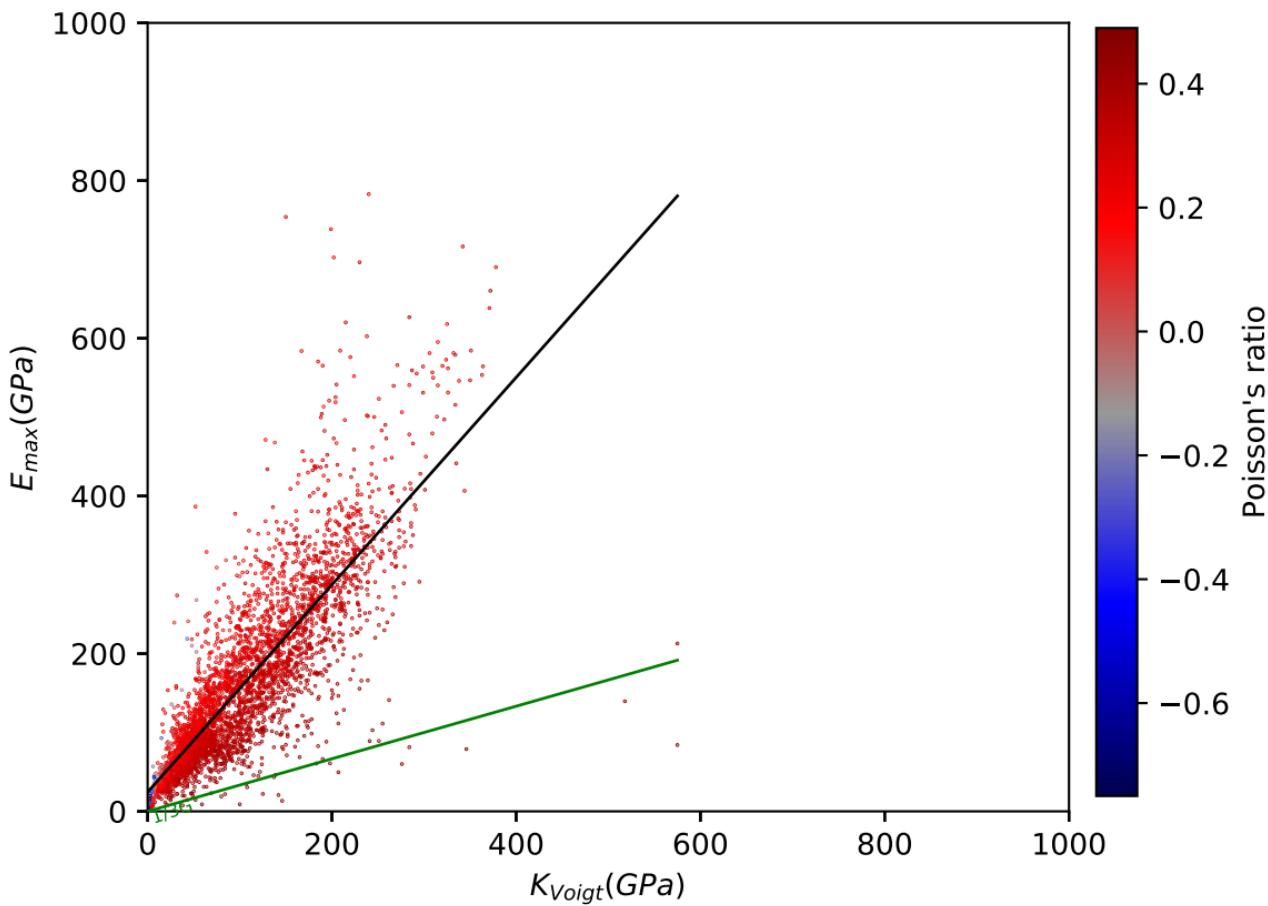


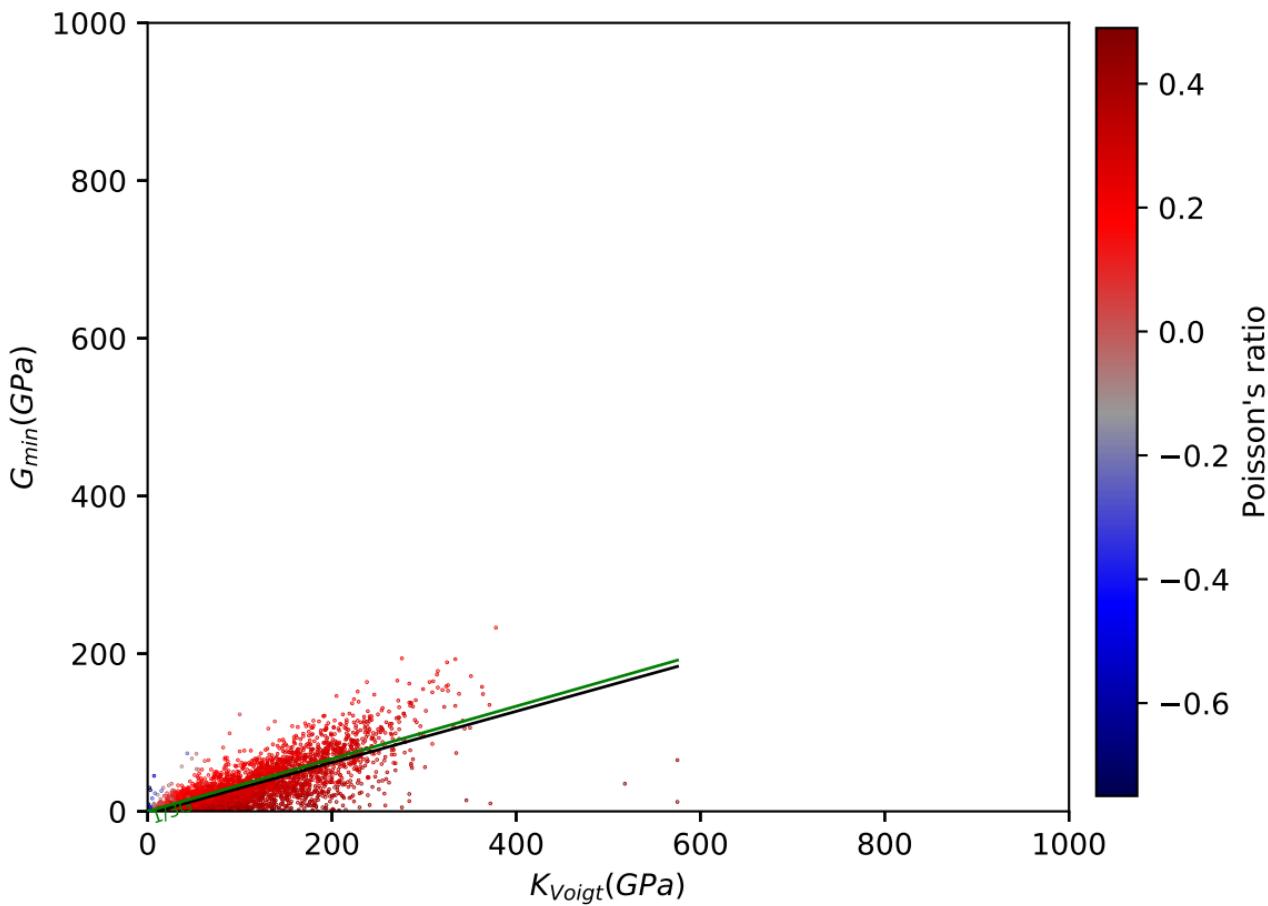


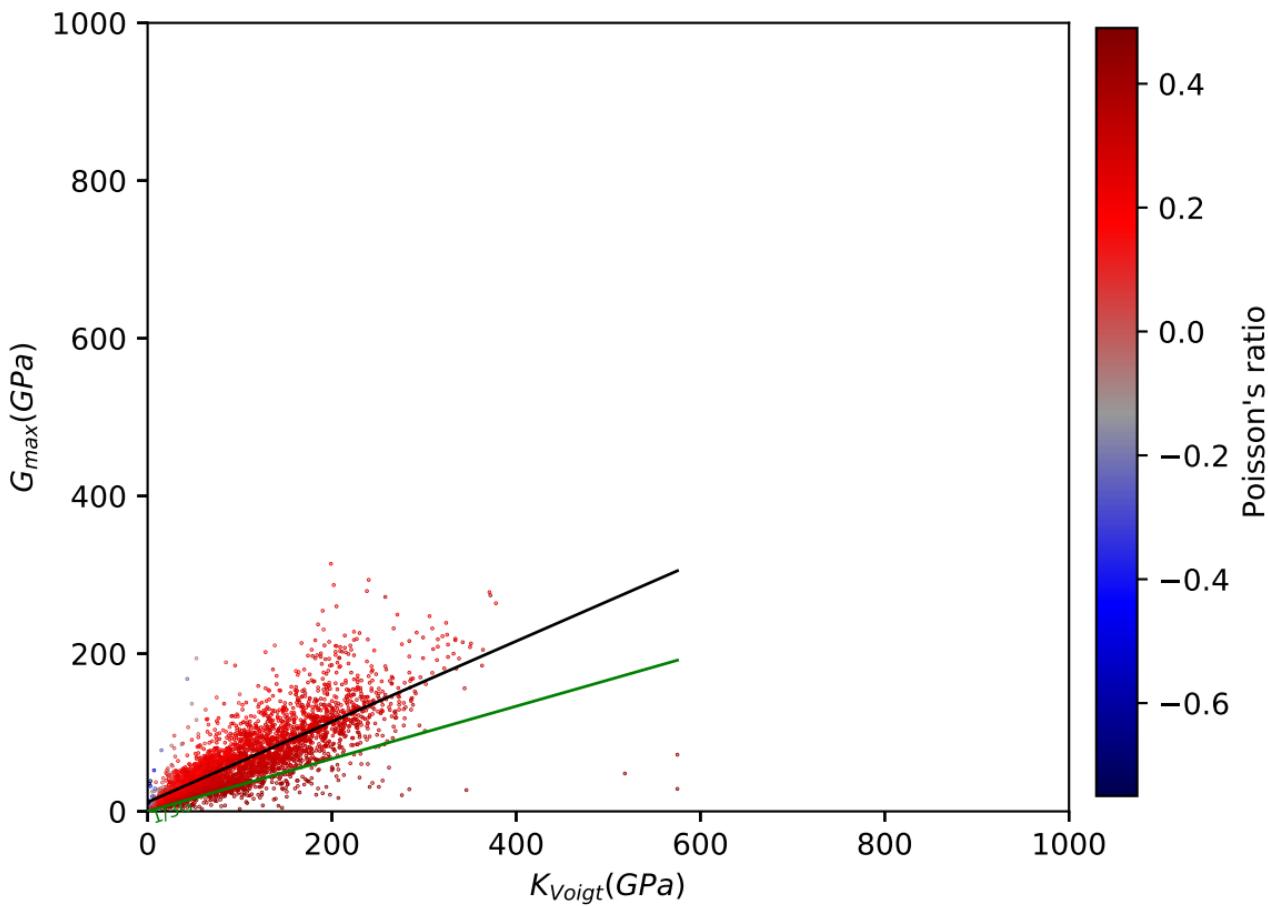


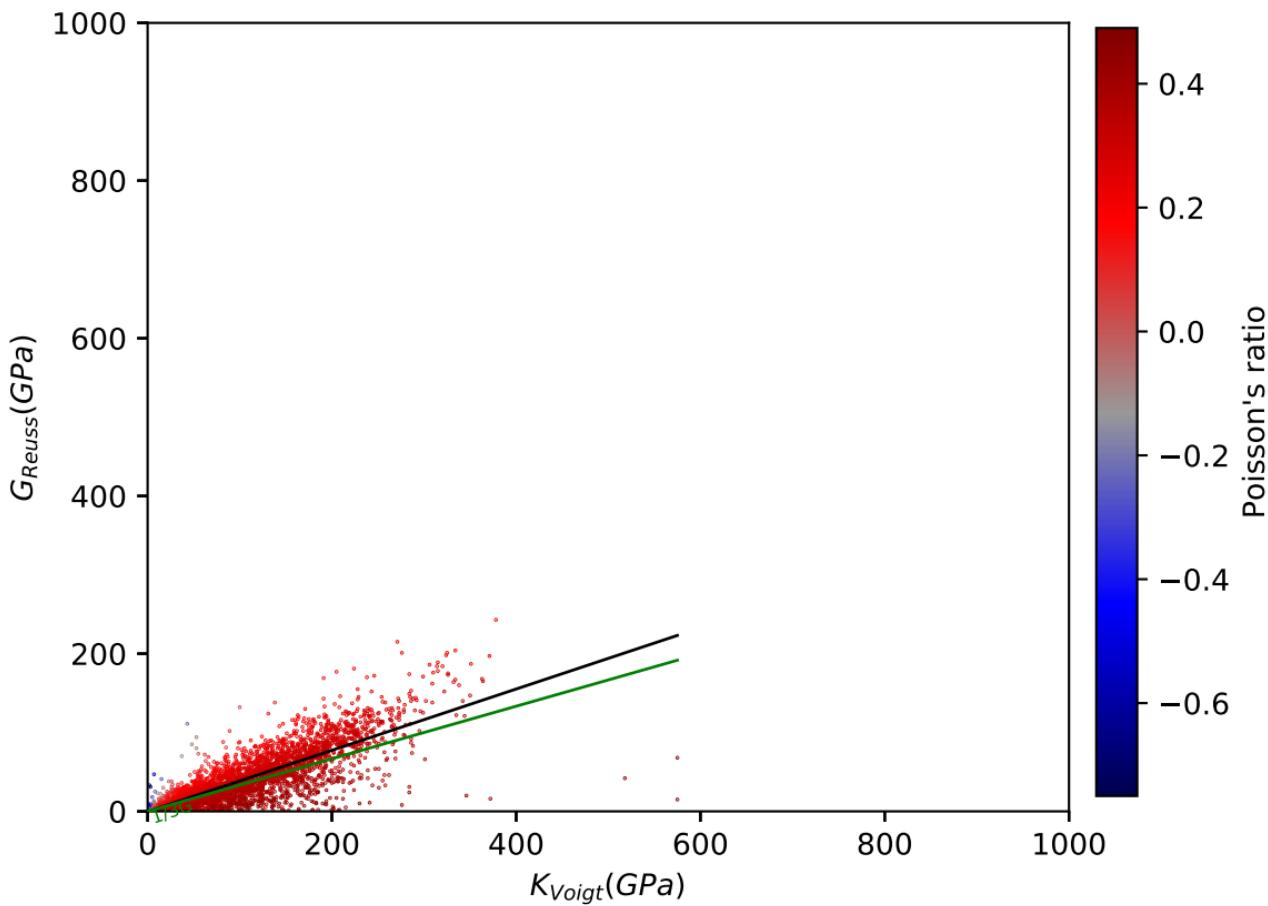


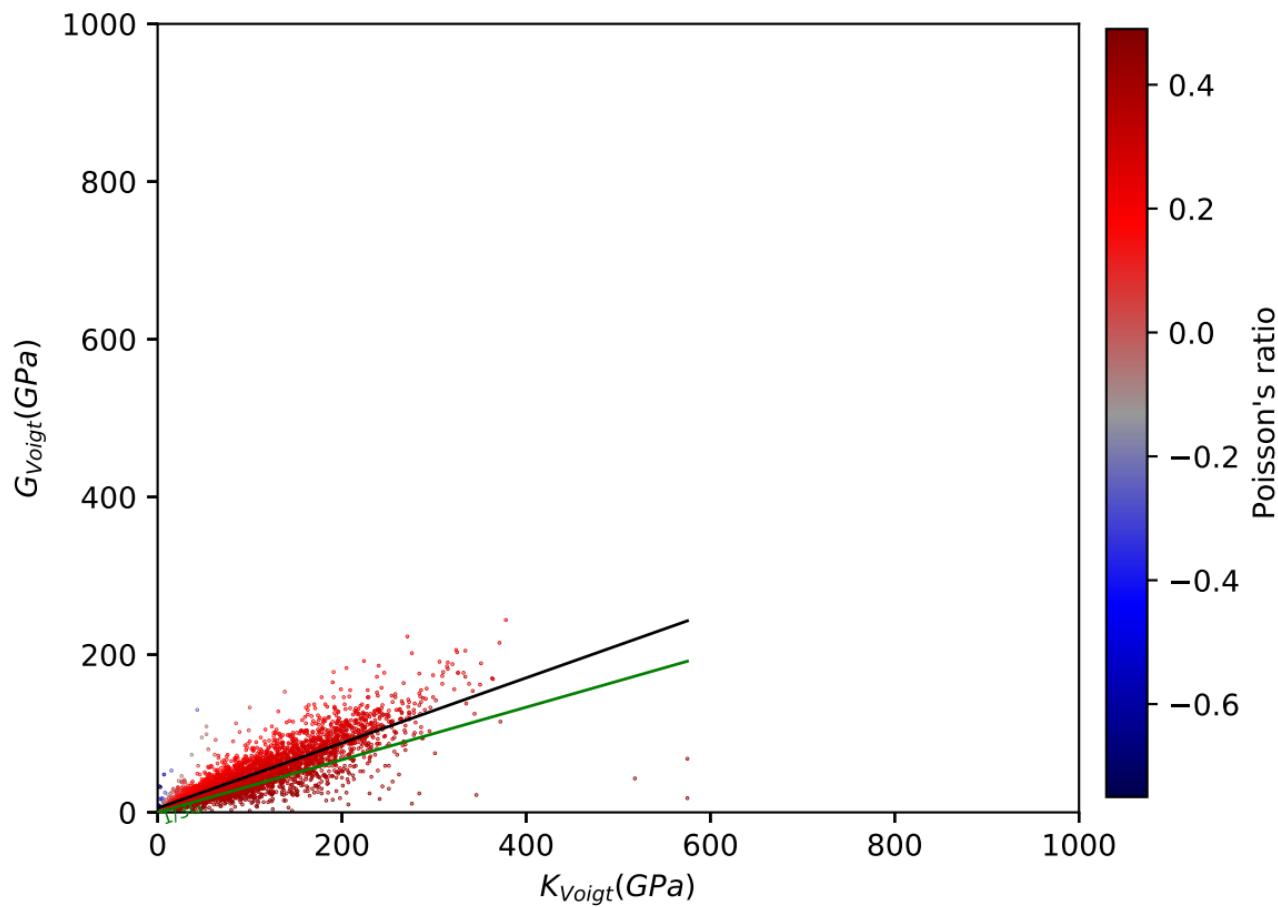












$G_{Voigt\text{ Reuss\ Hill}}(GPa)$

1000

800

600

400

200

0

200

400

600

800

1000

$K_{Voigt}(GPa)$

Poisson's ratio

0.4

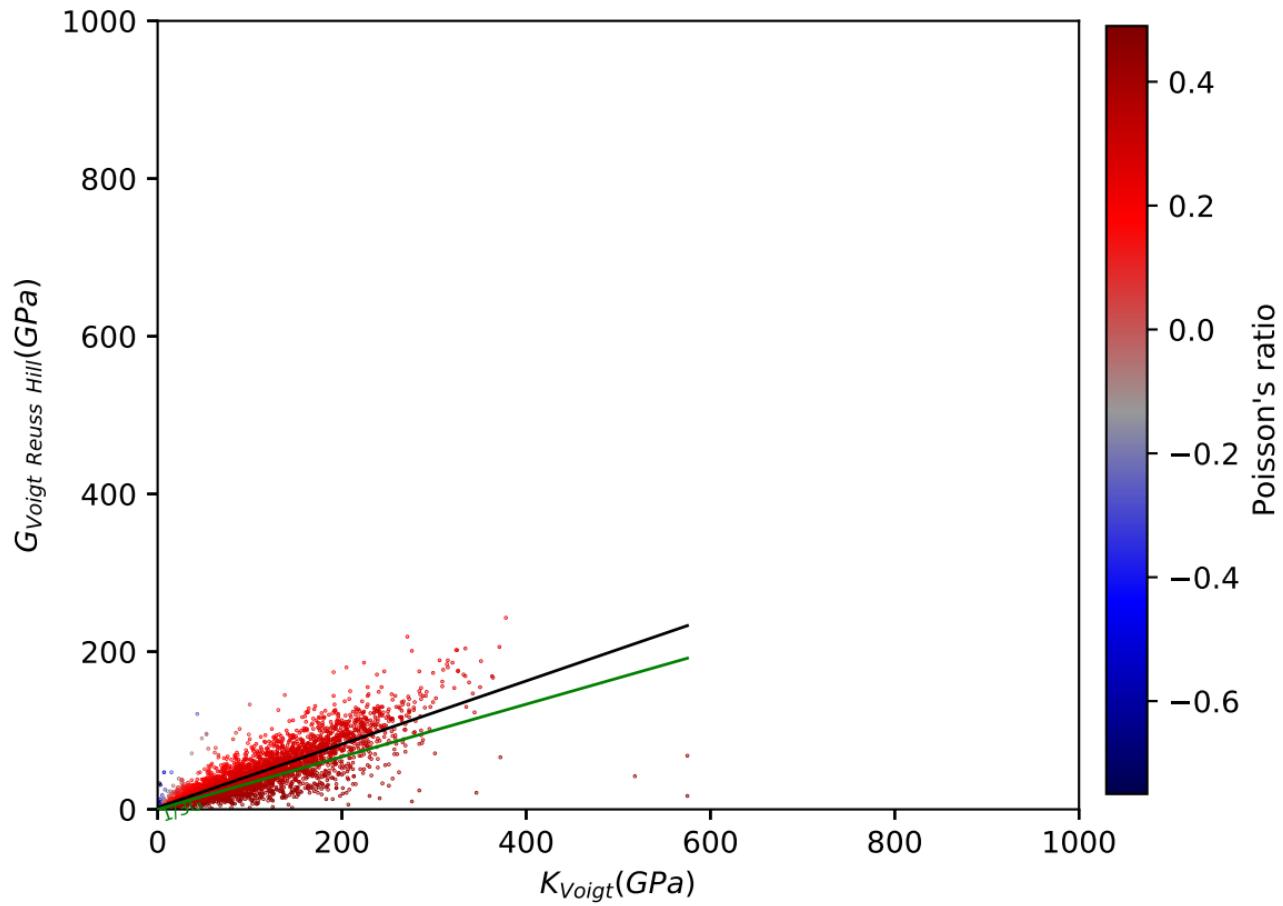
0.2

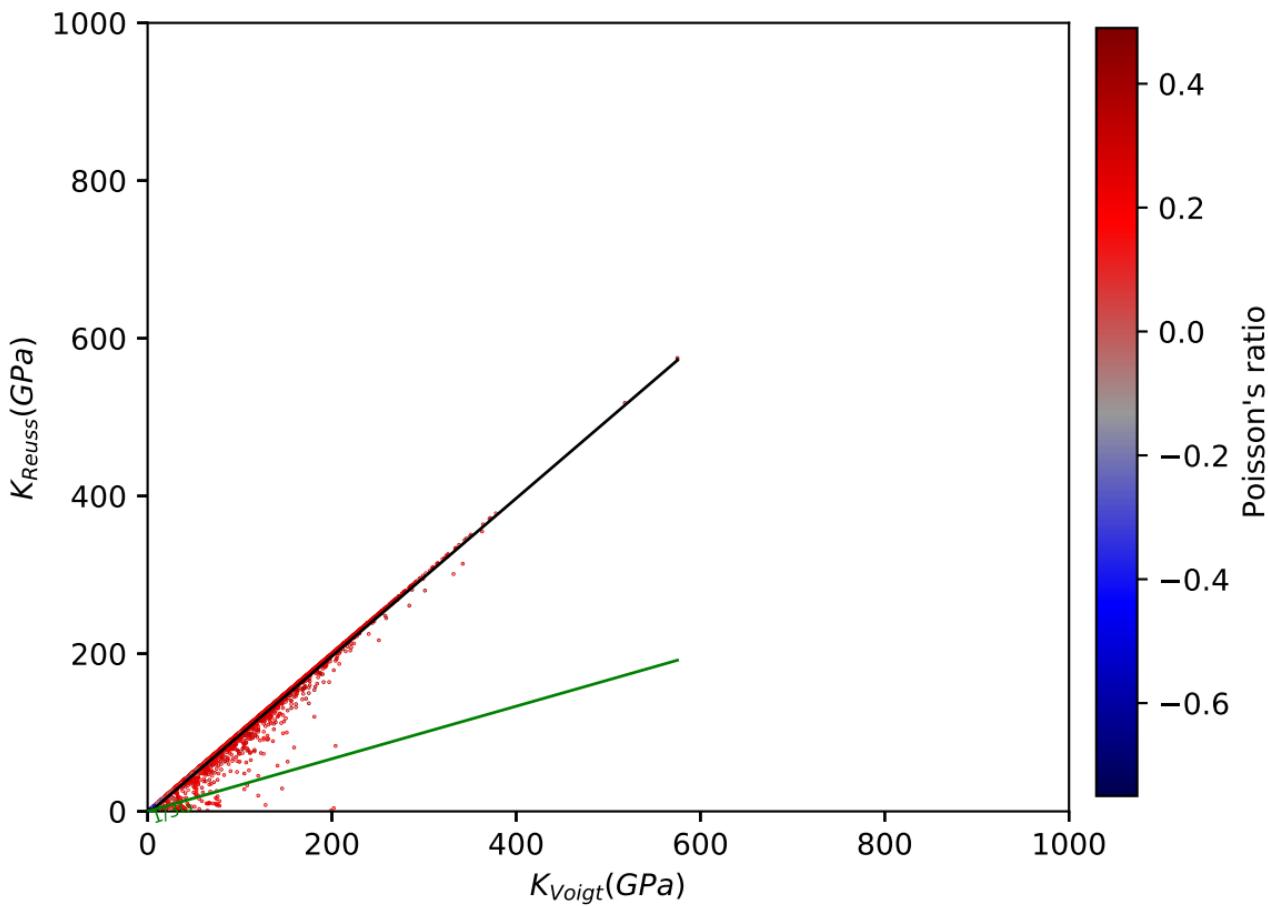
0.0

-0.2

-0.4

-0.6





$K_{Voigt\text{ Reuss\ Hill}}(GPa)$

1000

800

600

400

200

0

200

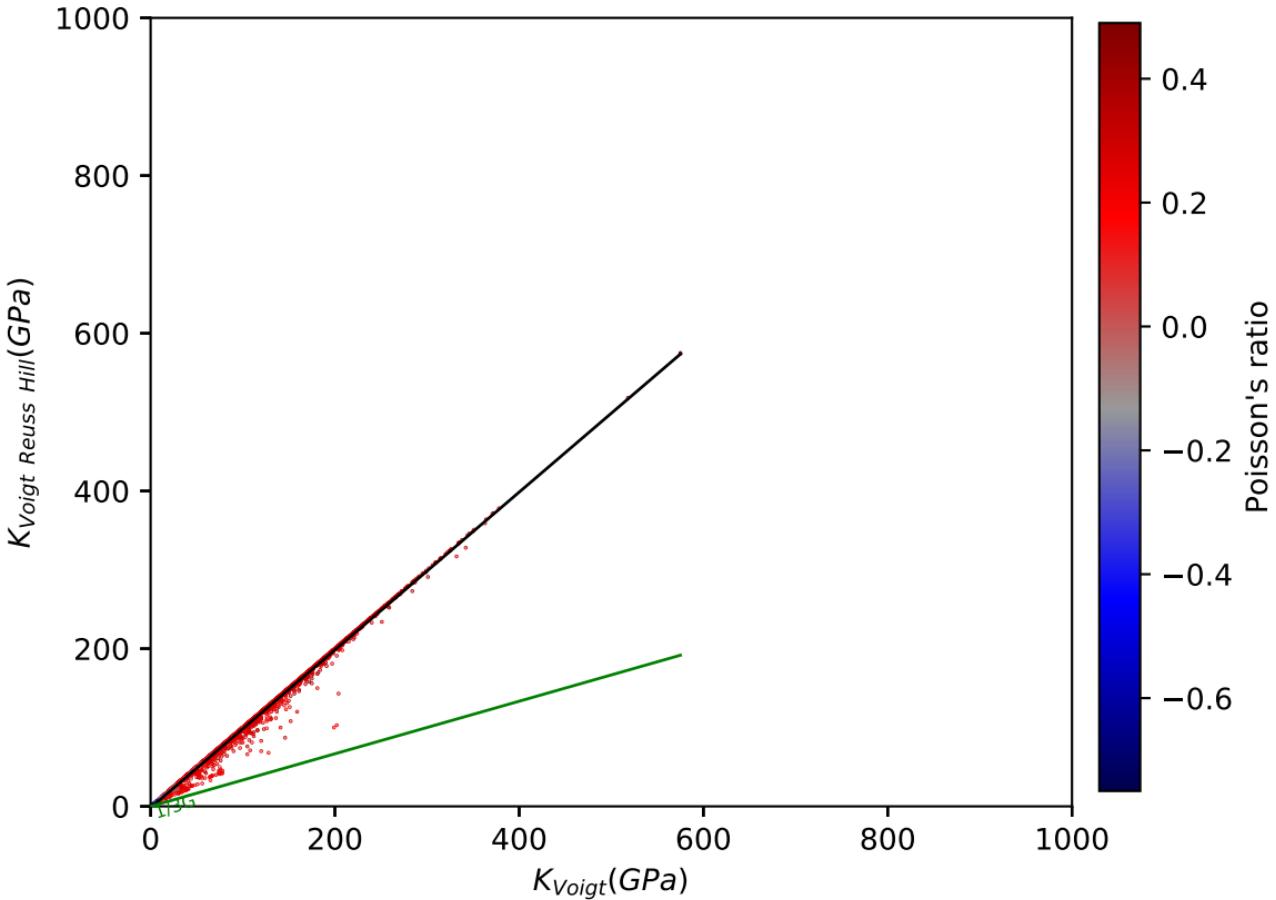
400

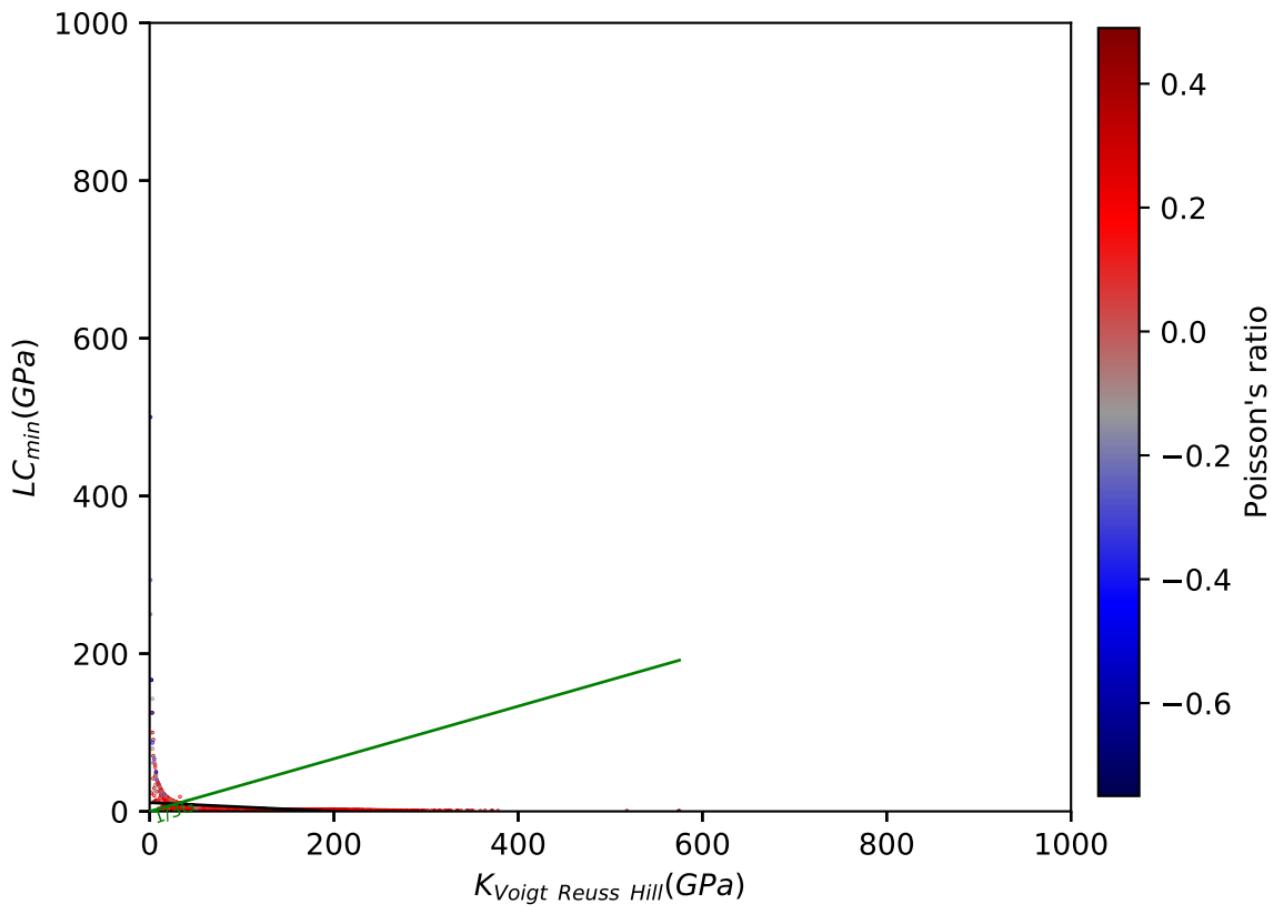
800

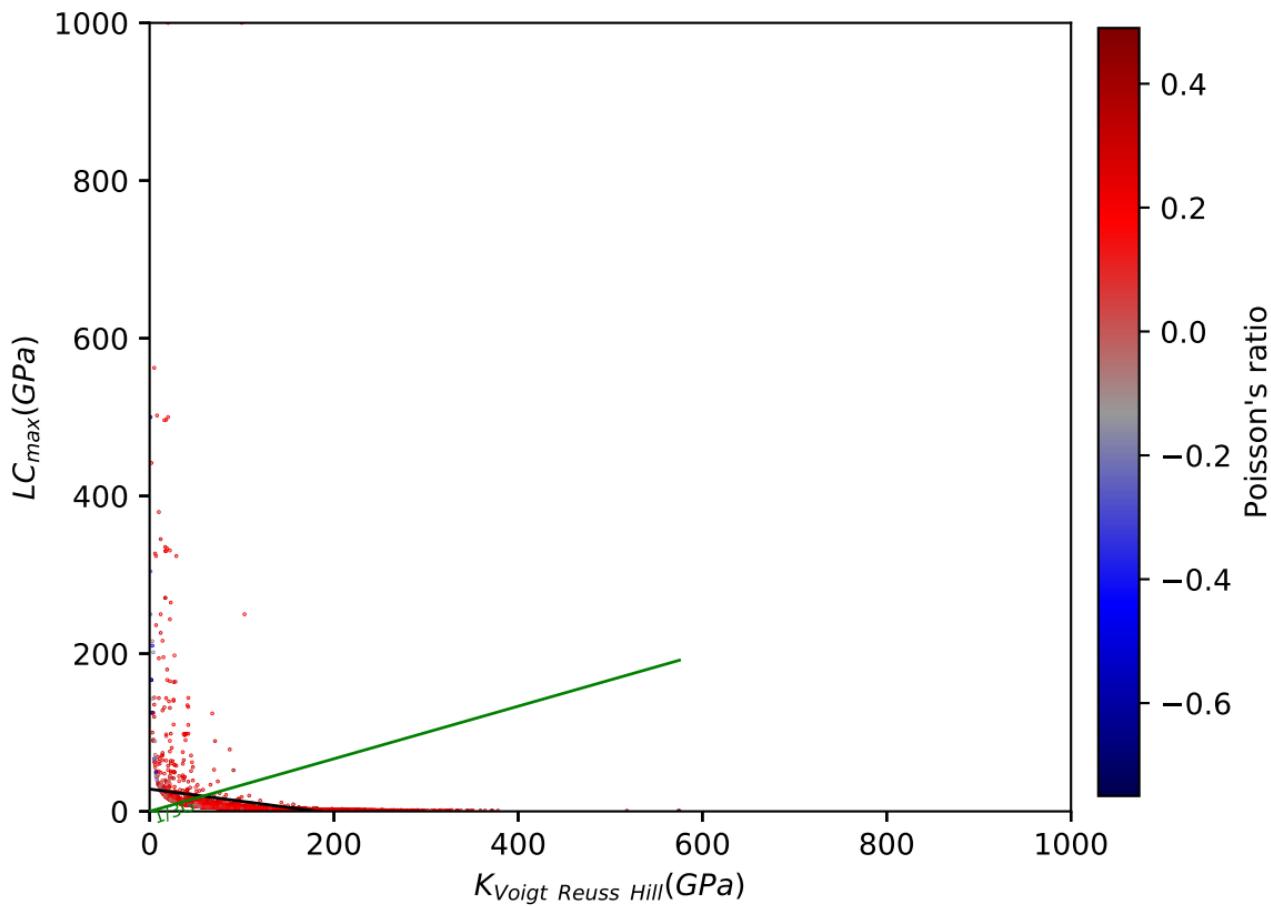
1000

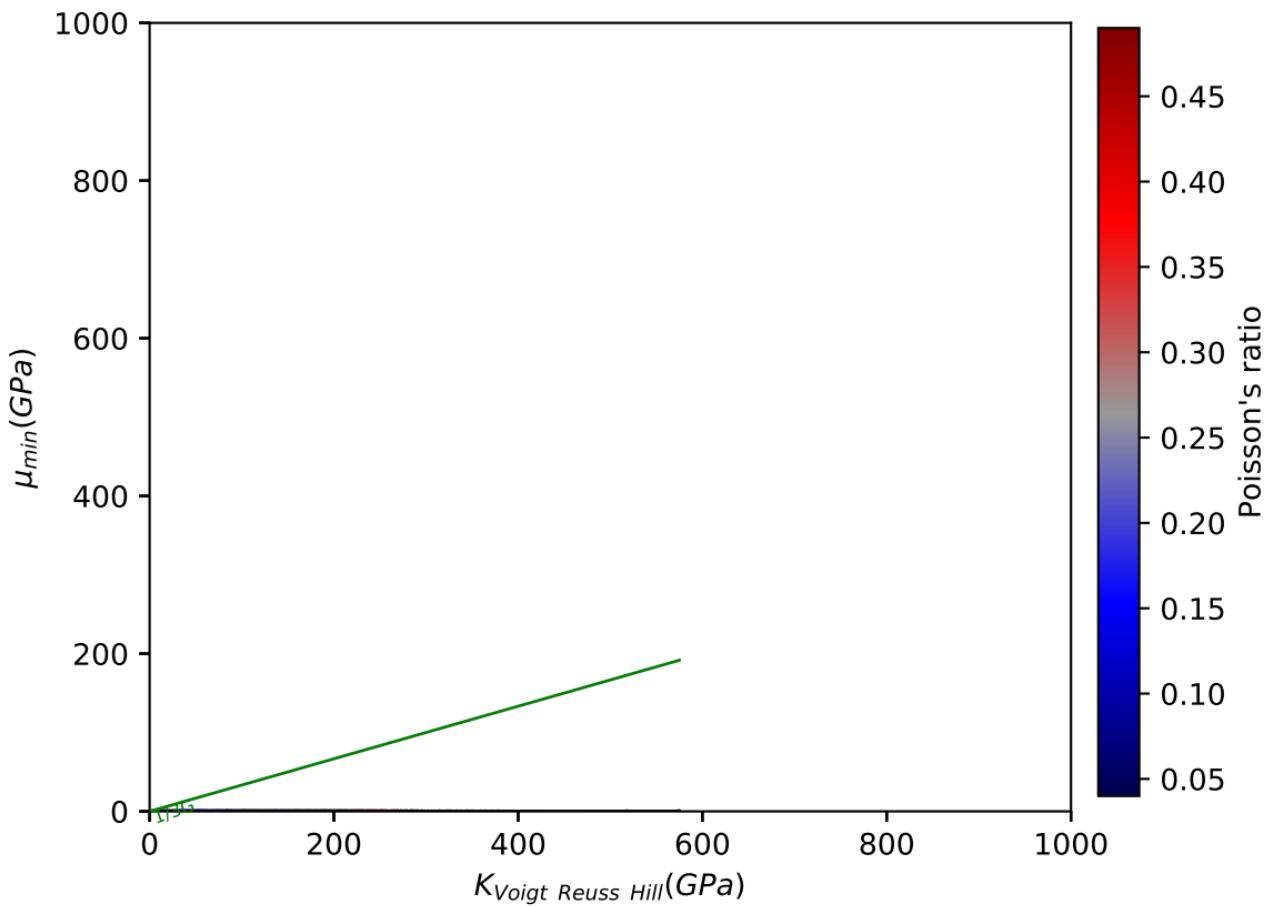
 $K_{Voigt}(GPa)$

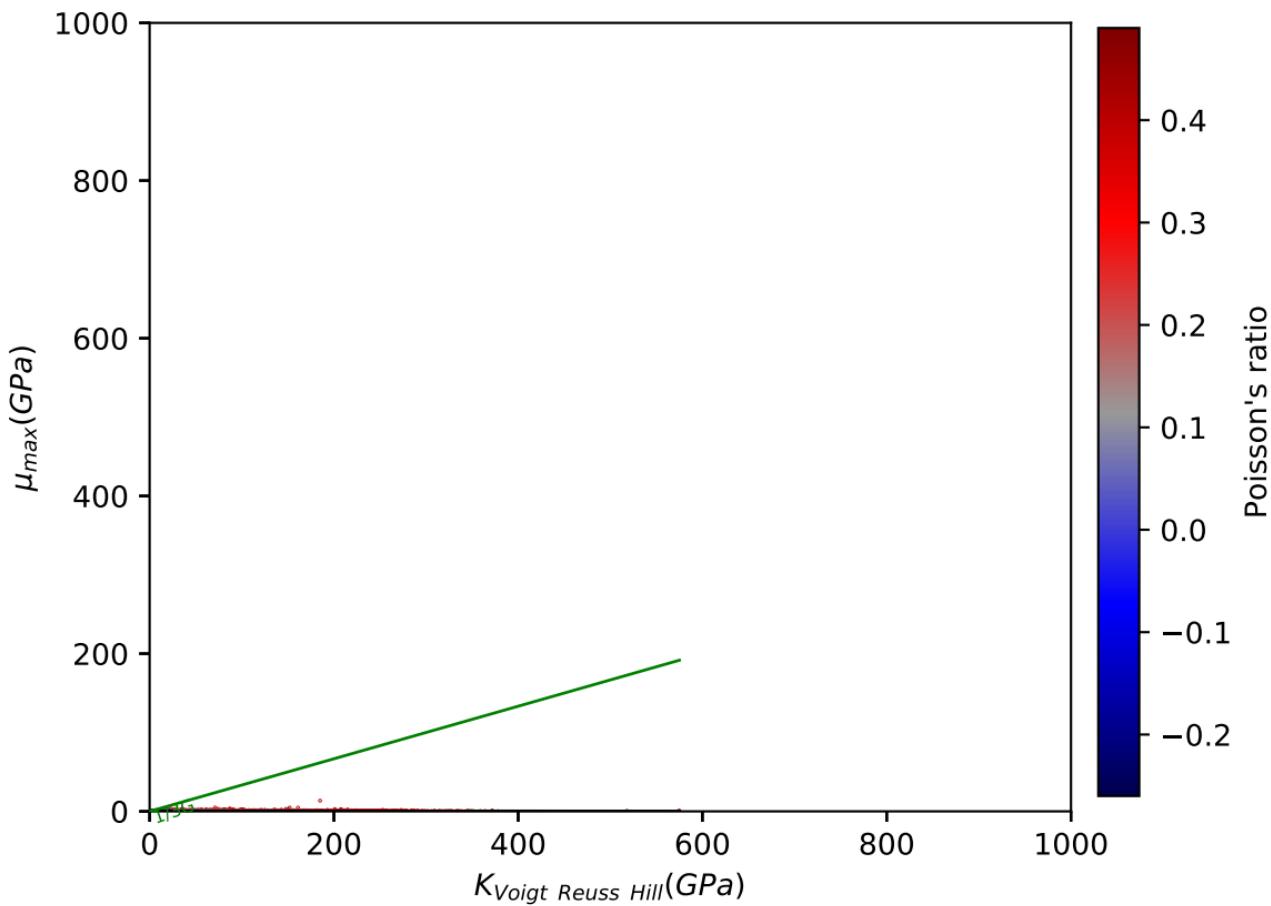
Poisson's ratio

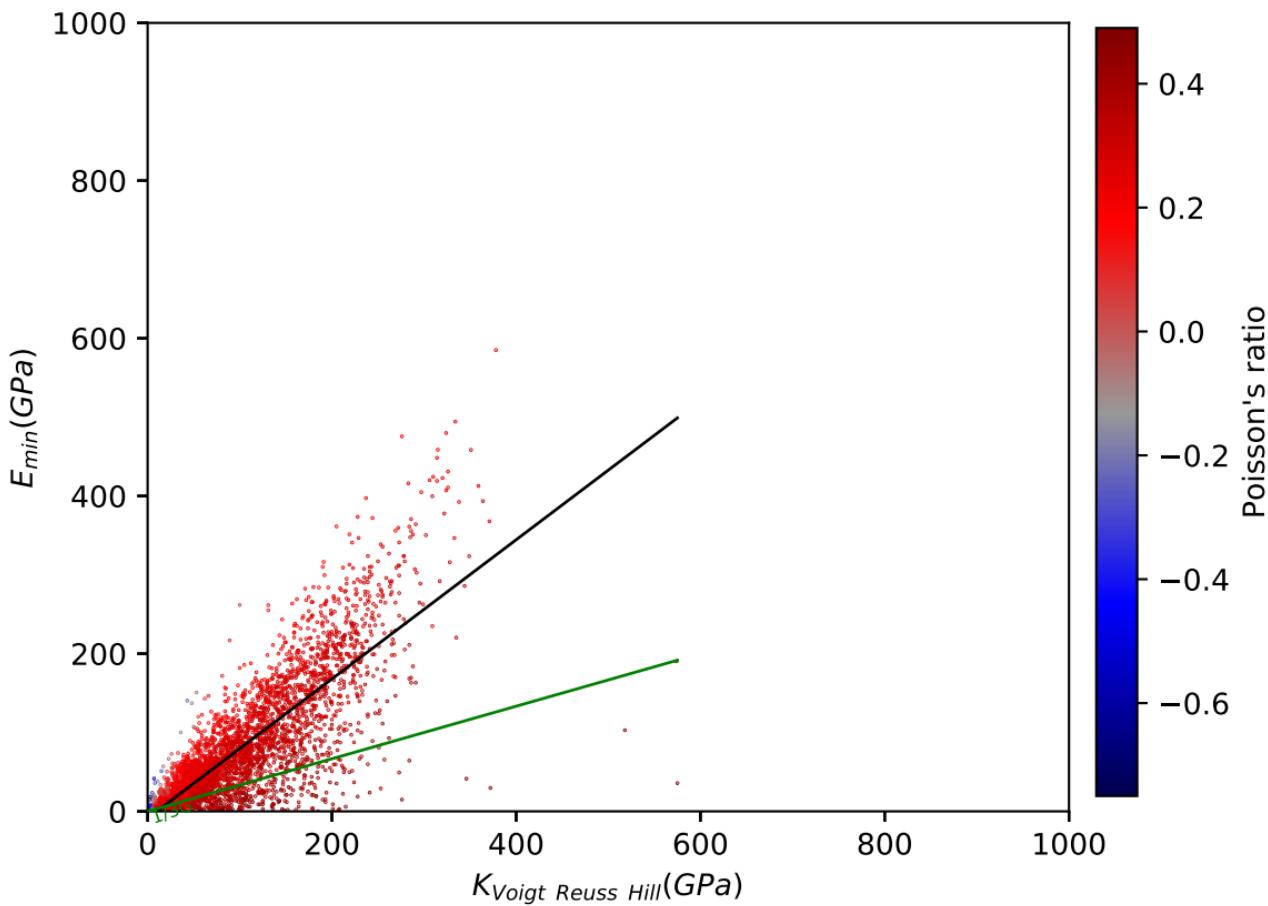


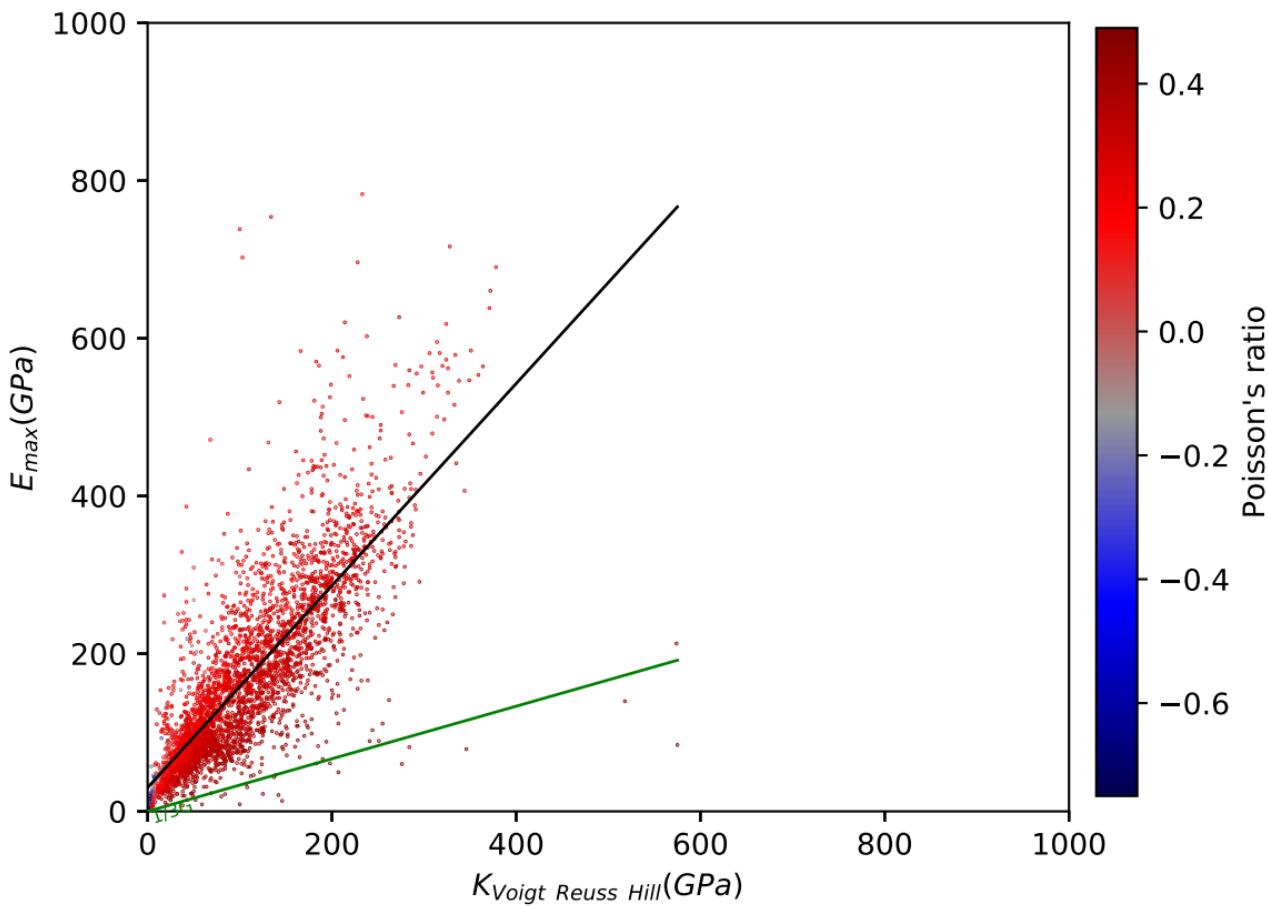


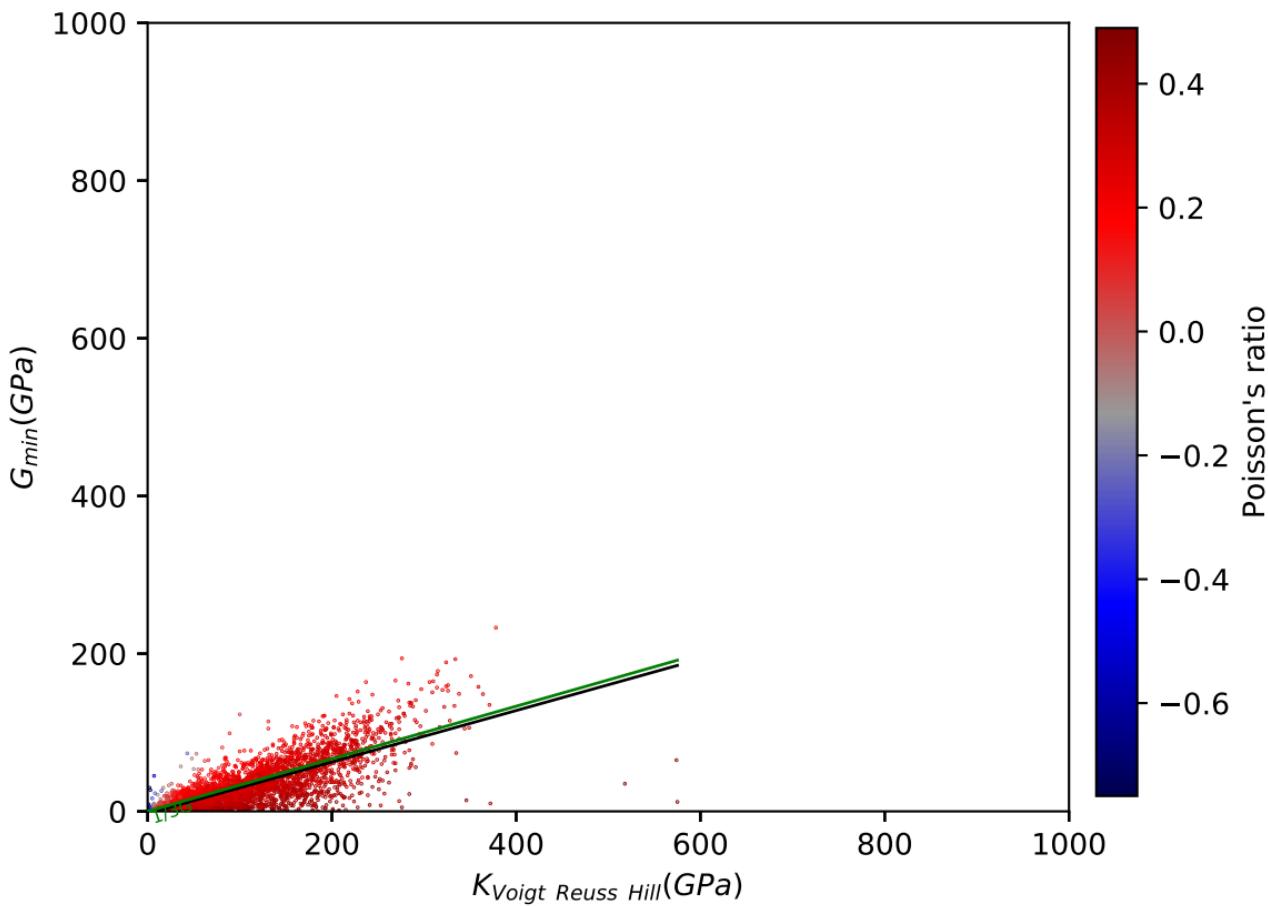


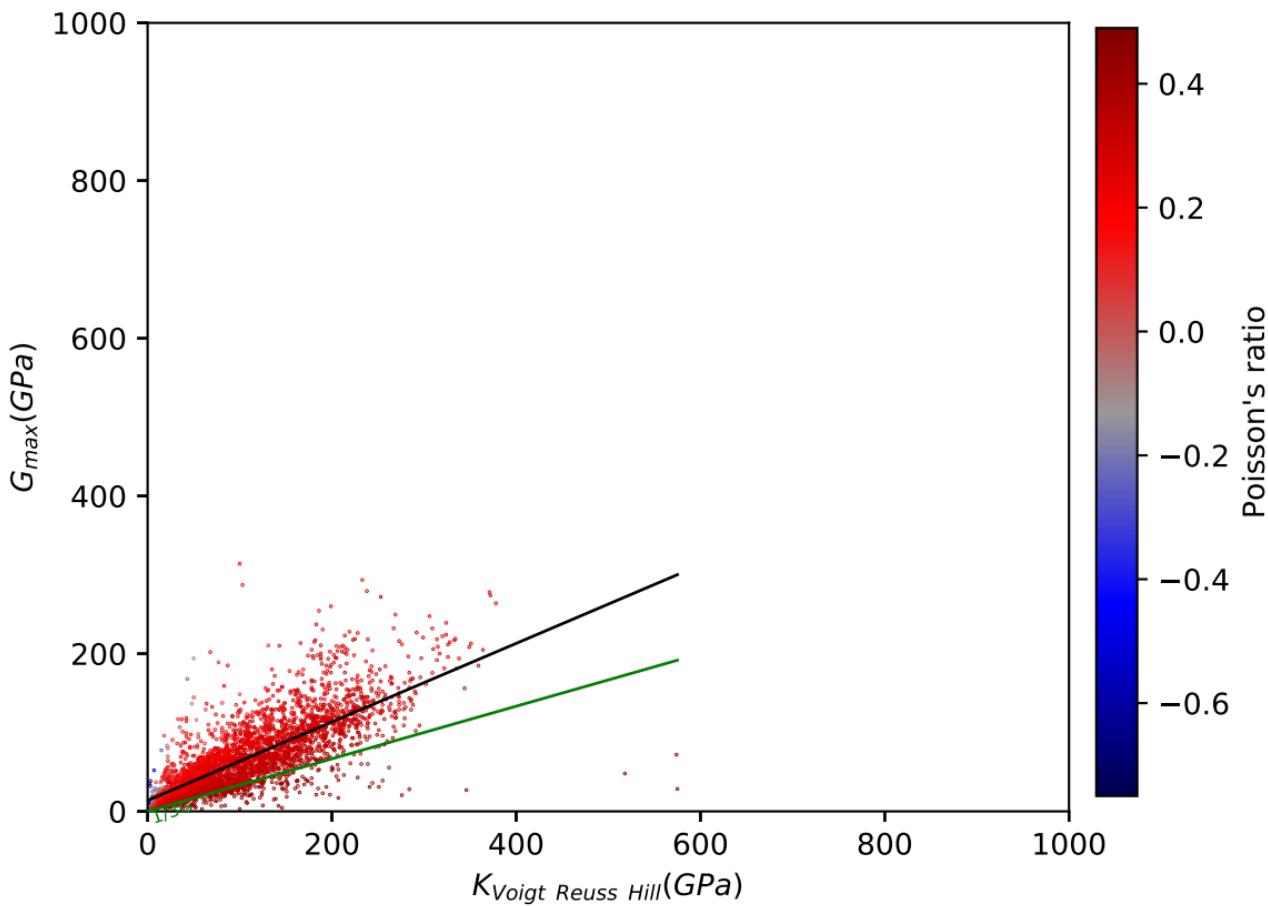


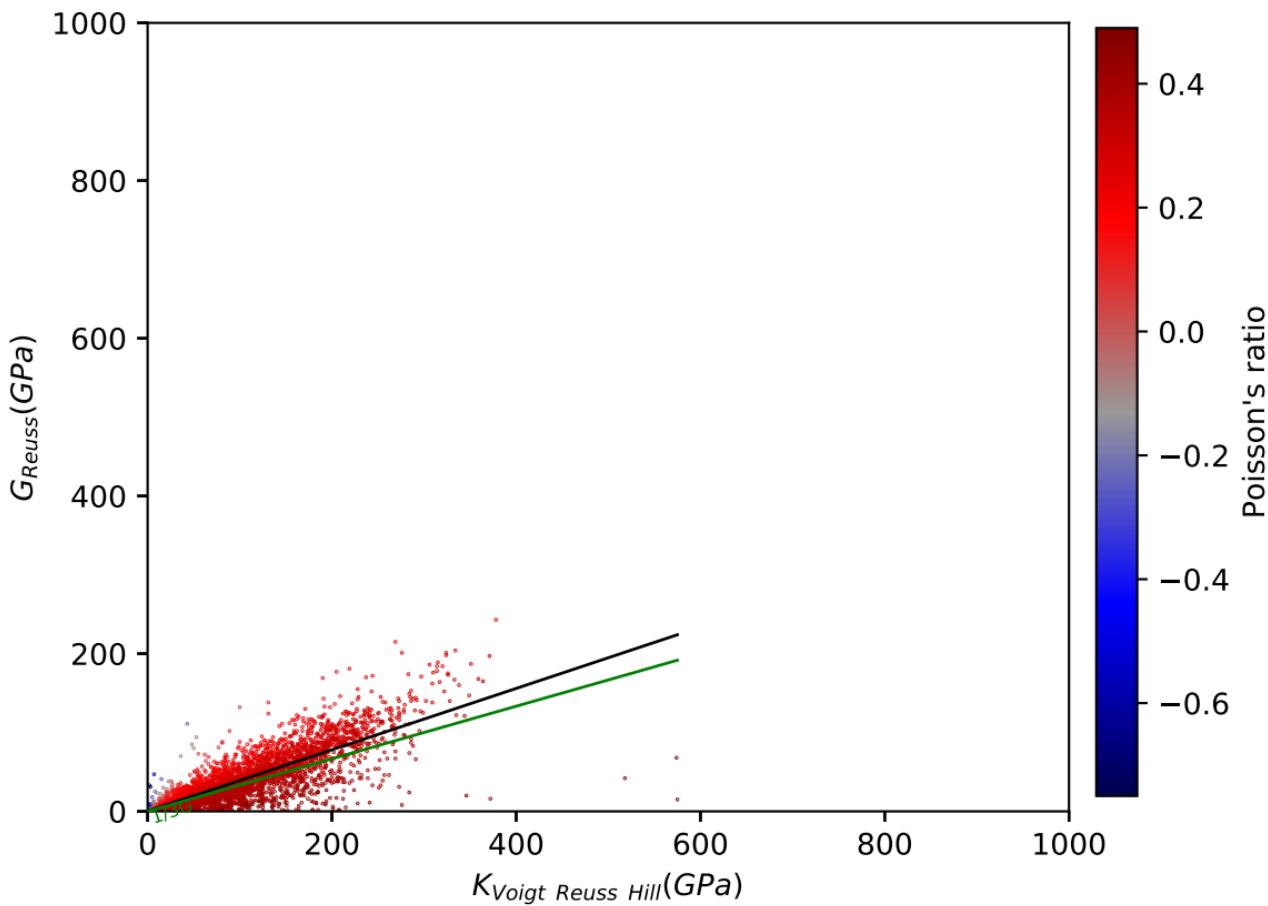


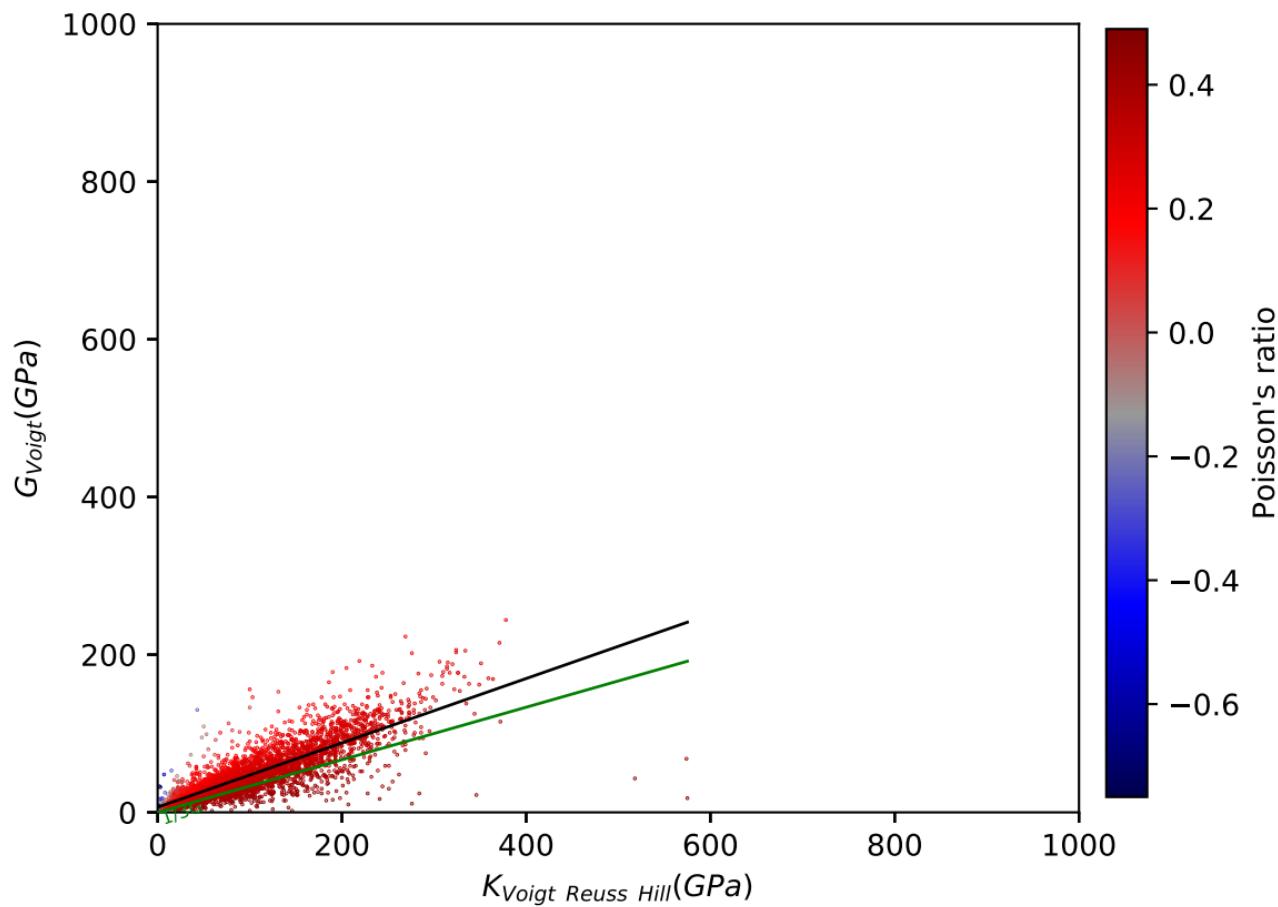












$G_{\text{Voigt Reuss Hill}}(\text{GPa})$

