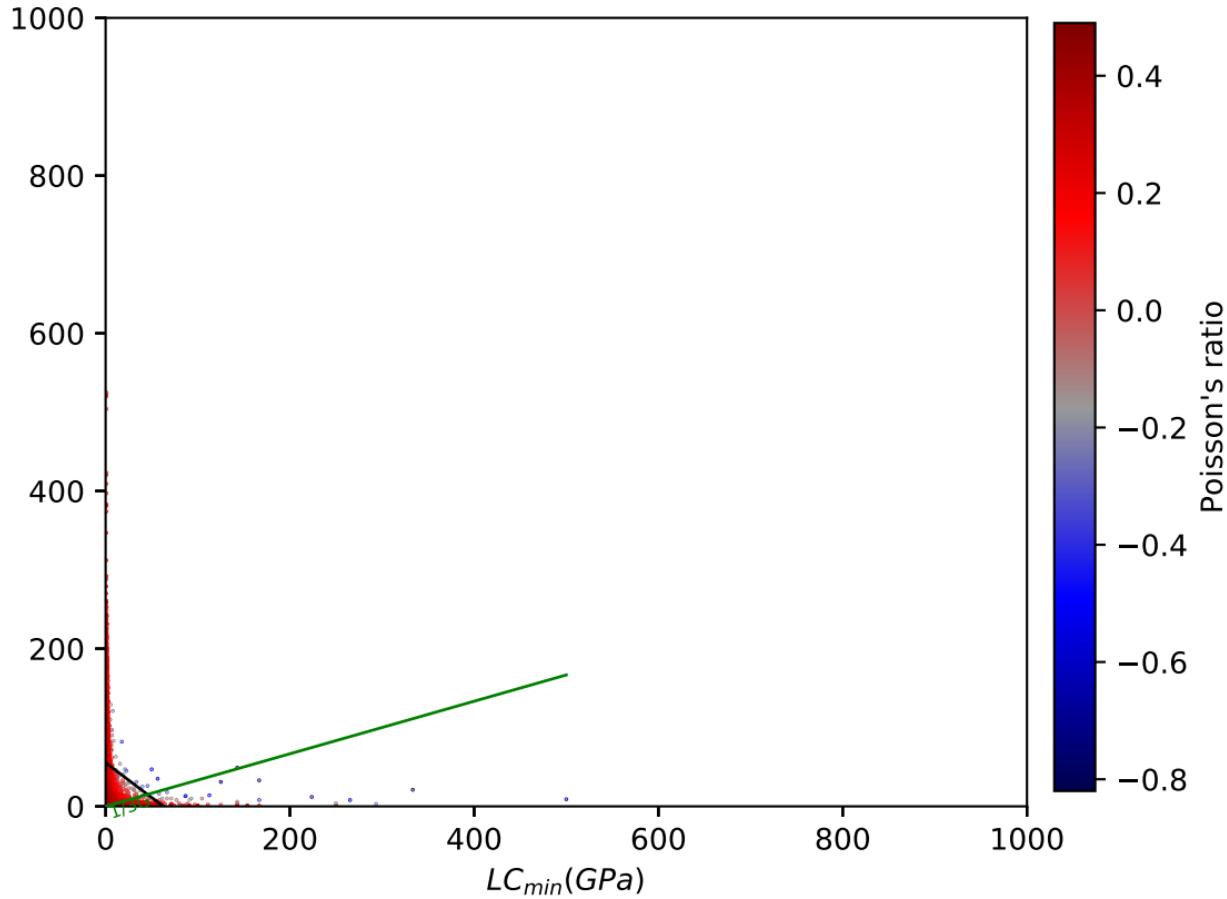
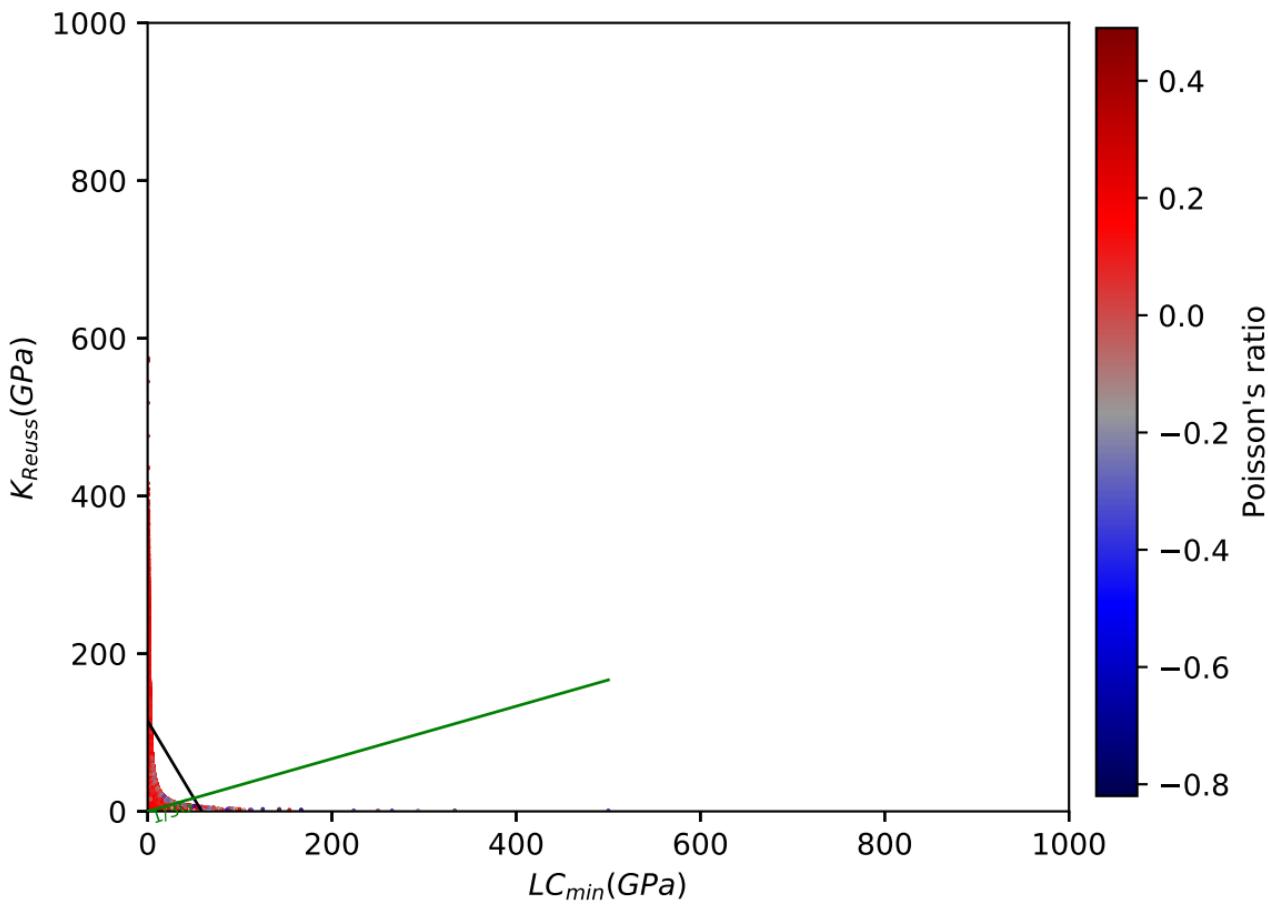
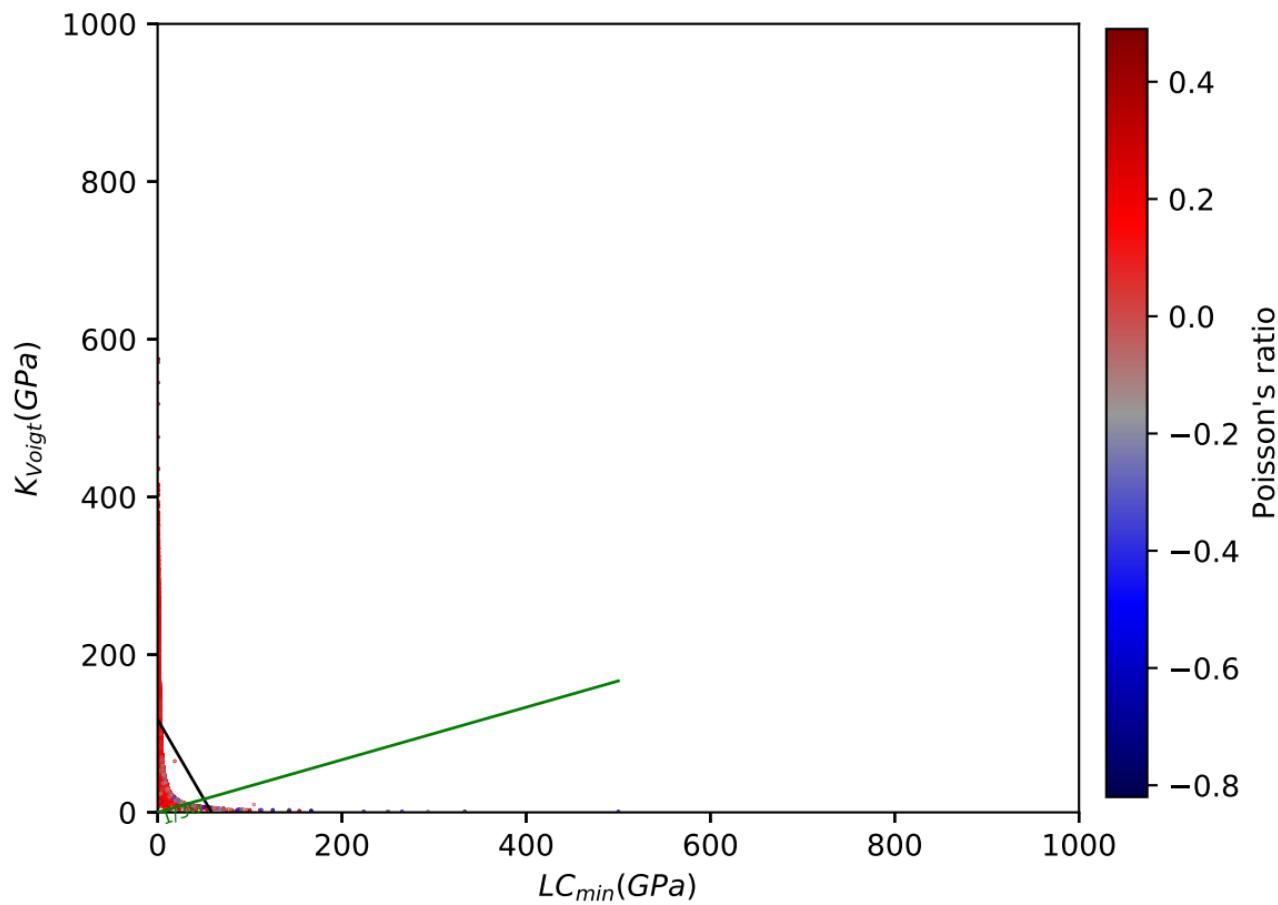


$G_{\text{Voigt Reuss Hill}}(\text{GPa})$







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

1000

800

600

400

200

0

200

400

600

800

1000

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

Poisson's ratio

0.4

0.2

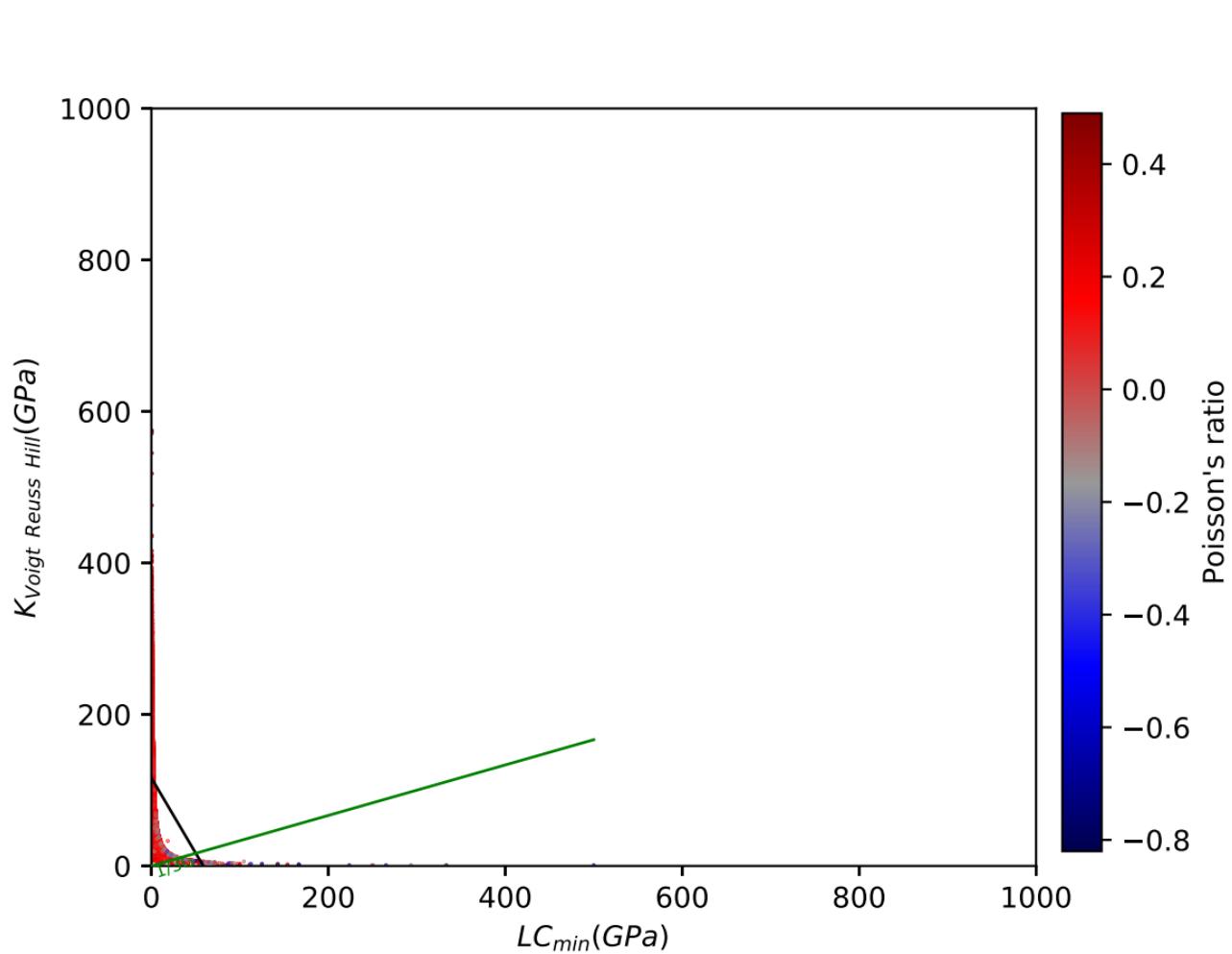
0.0

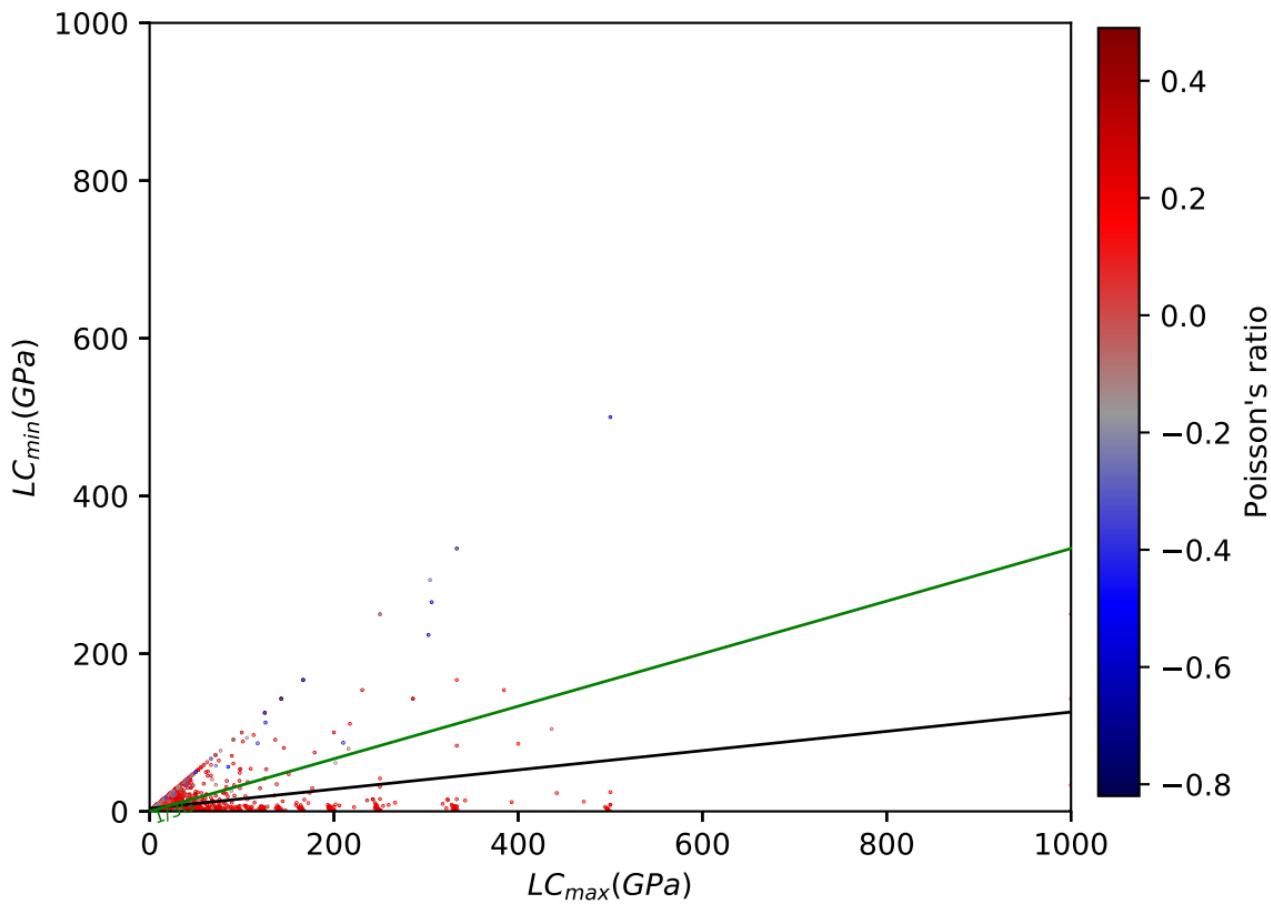
-0.2

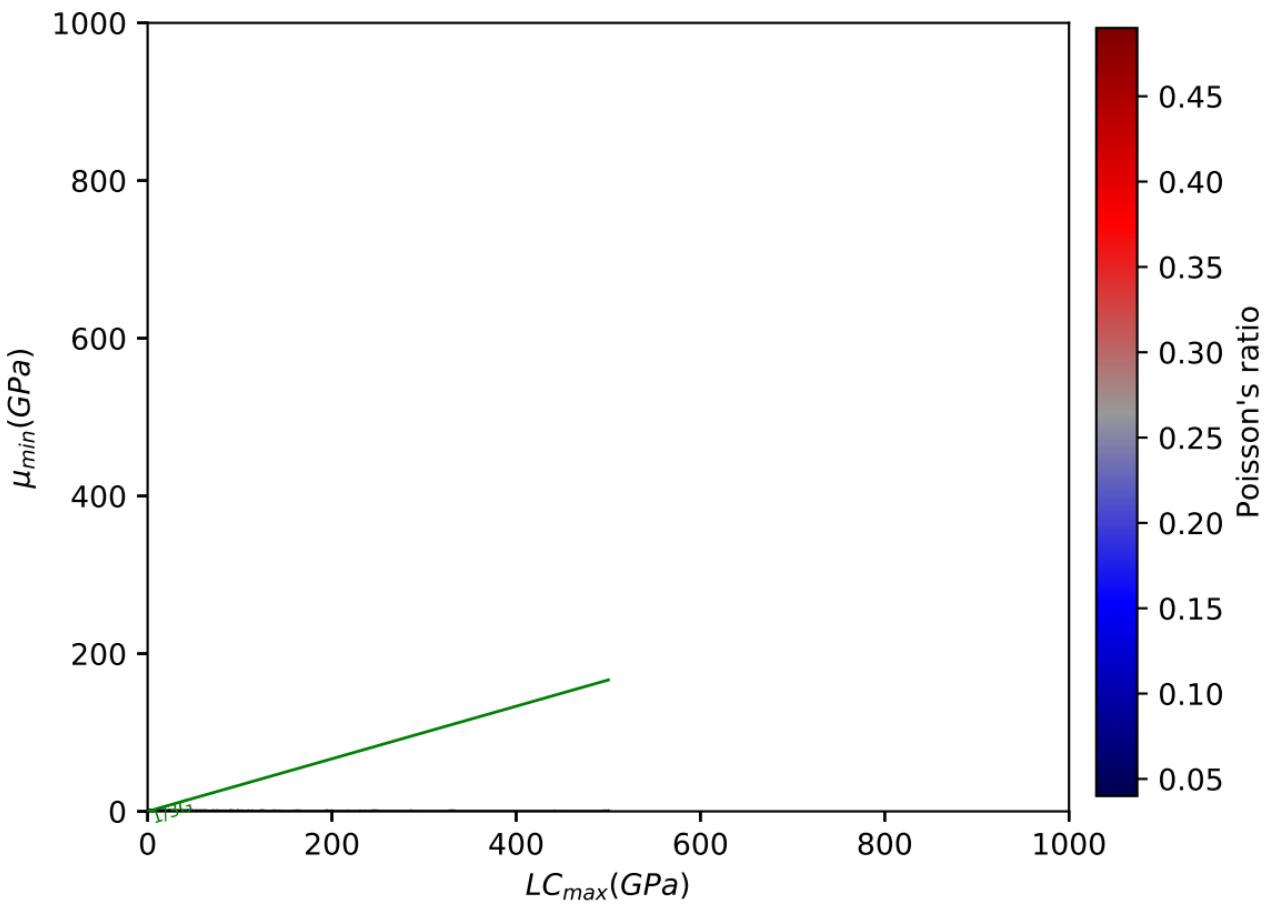
-0.4

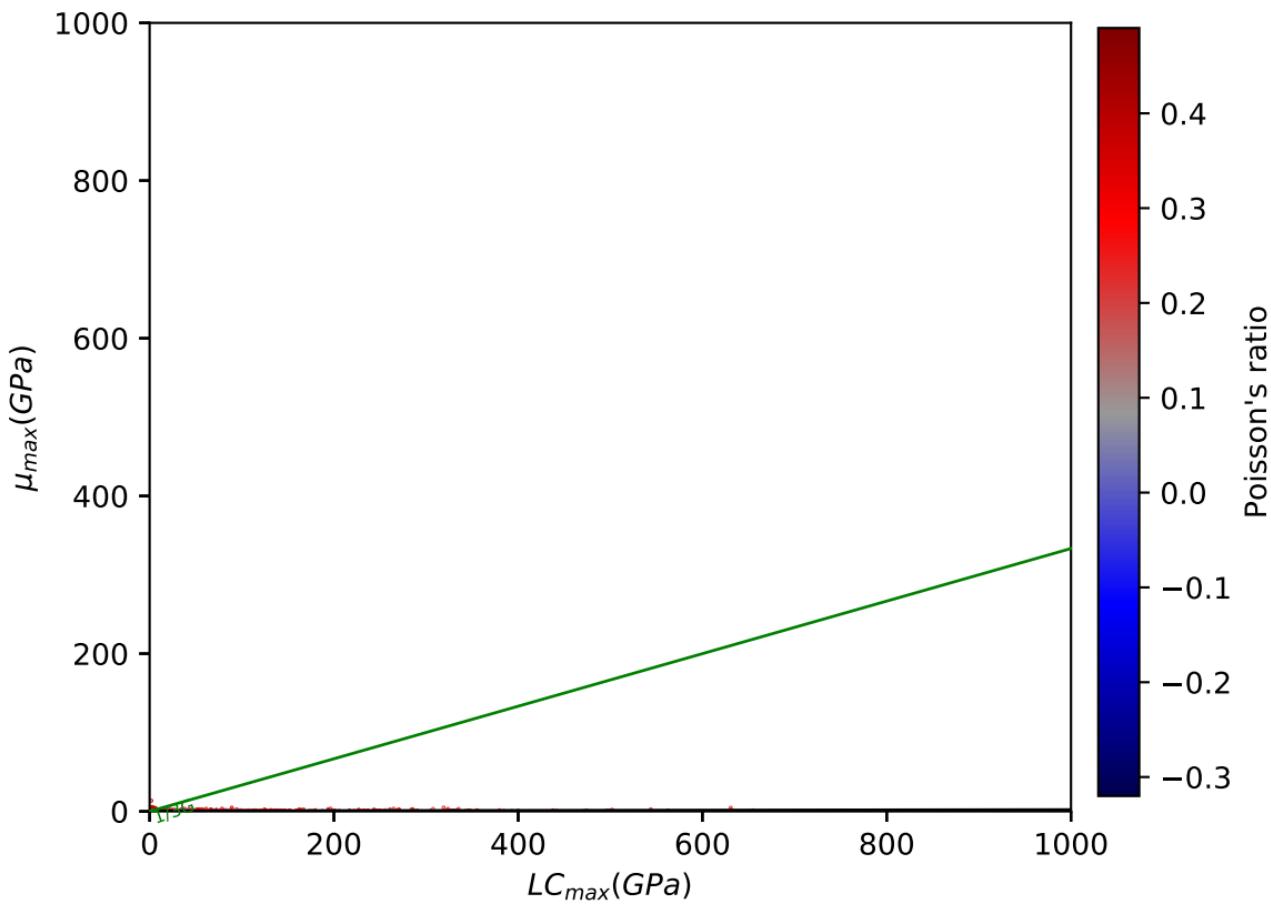
-0.6

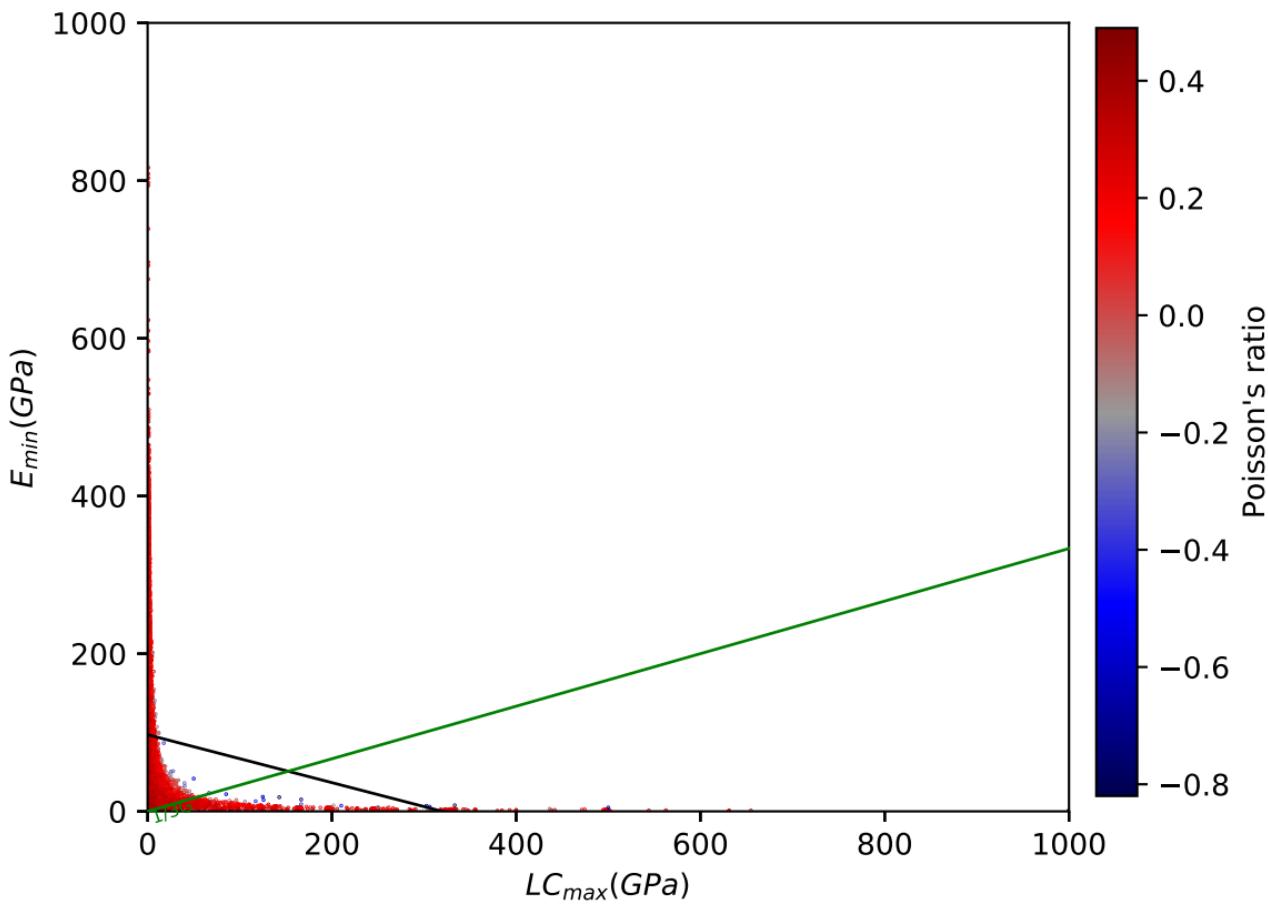
-0.8

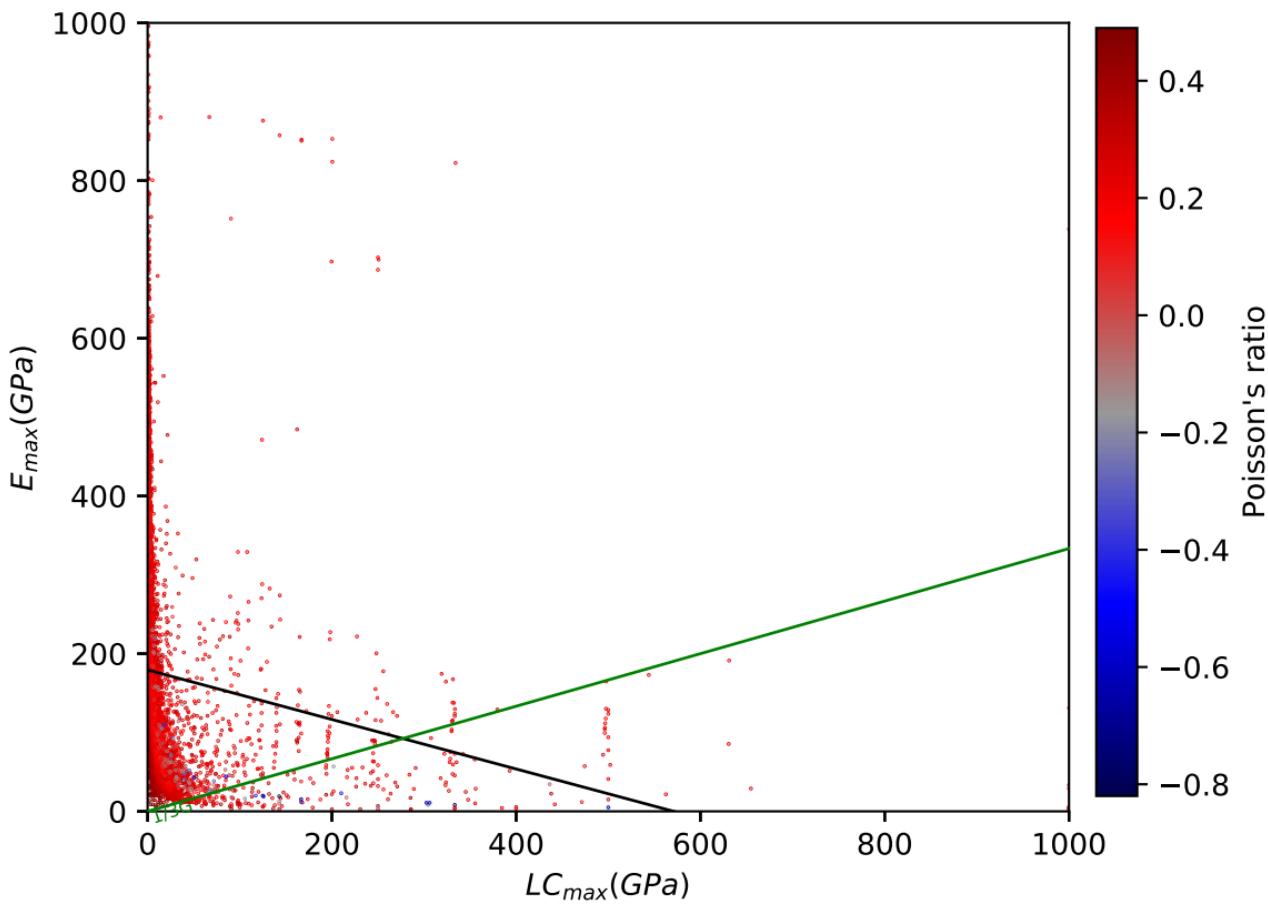


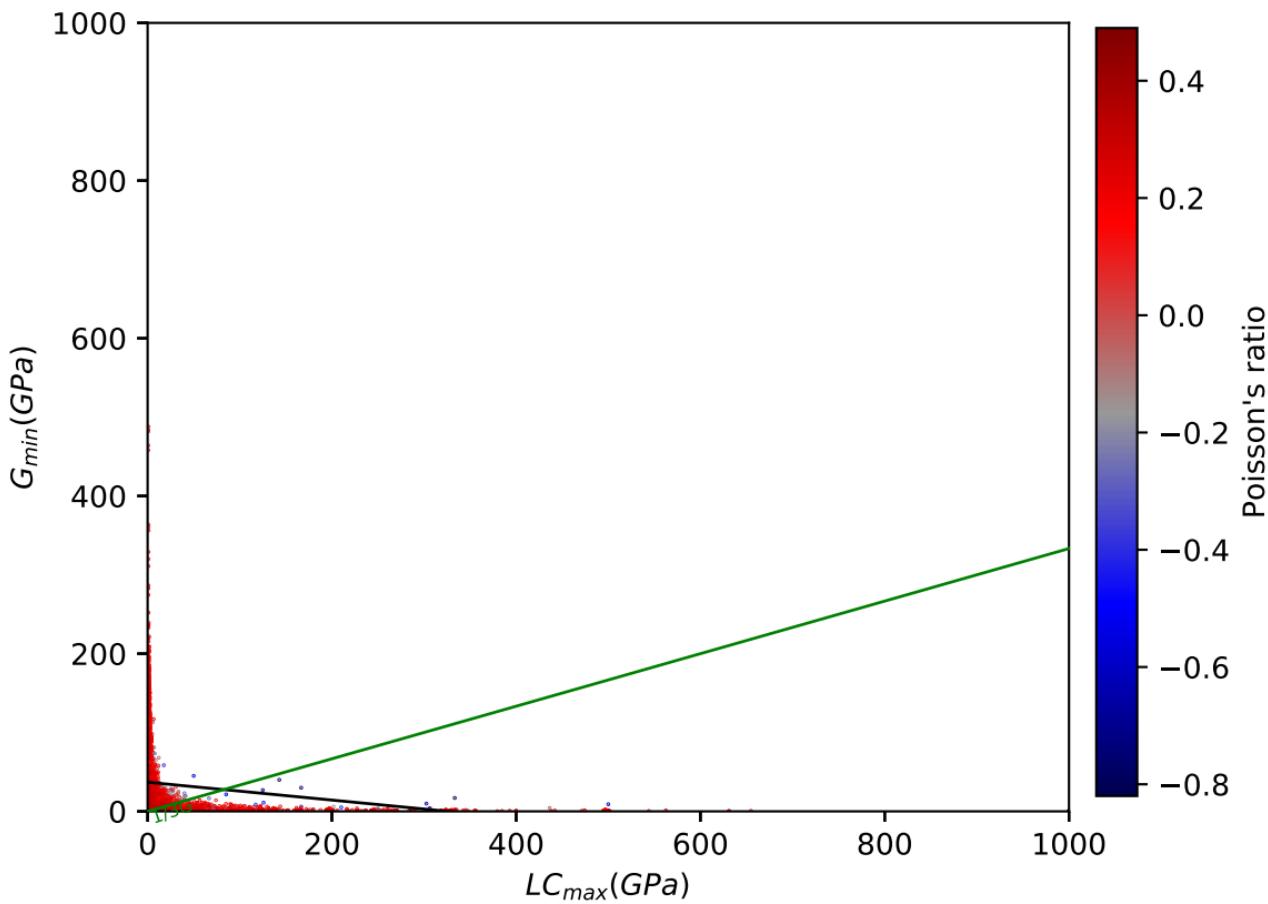


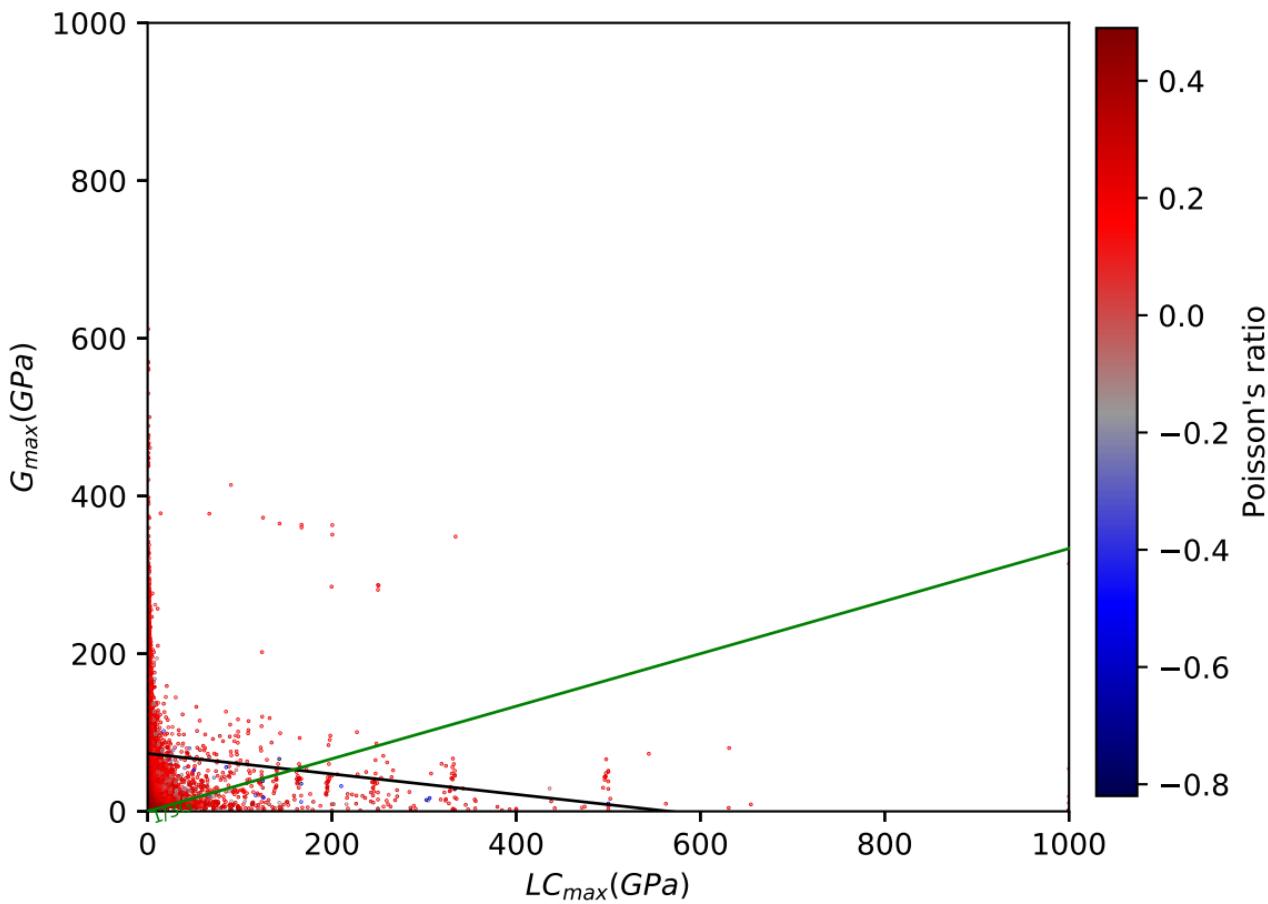


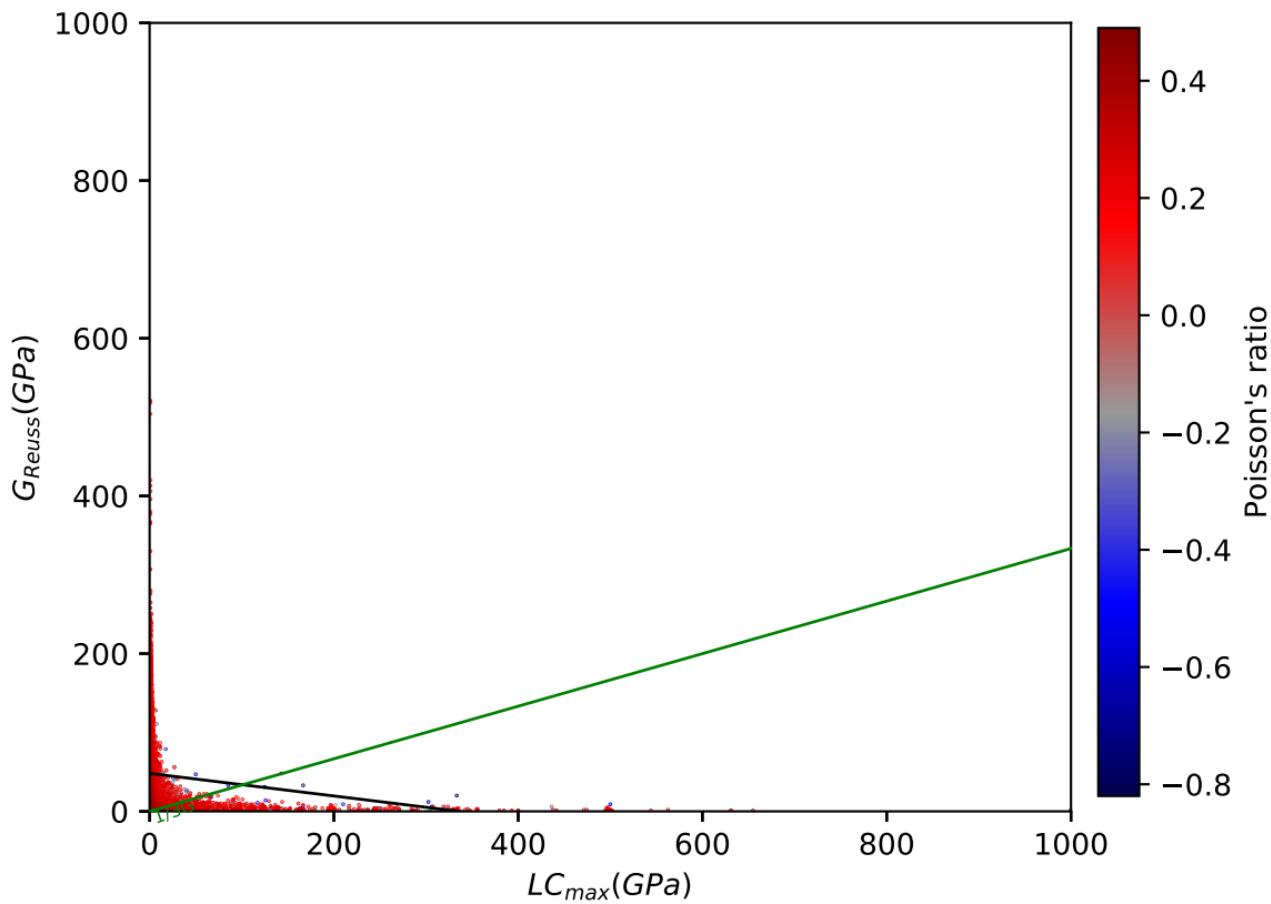


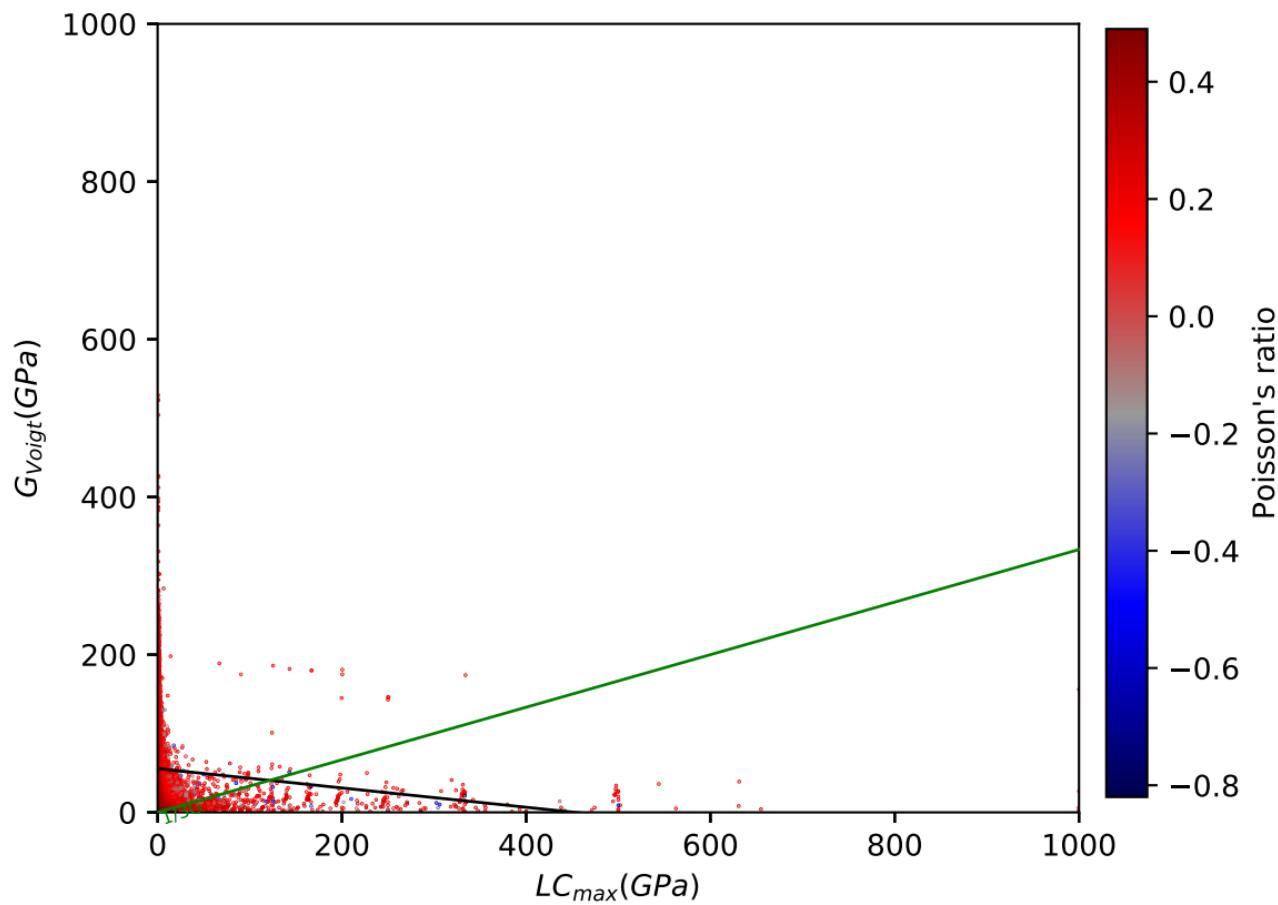


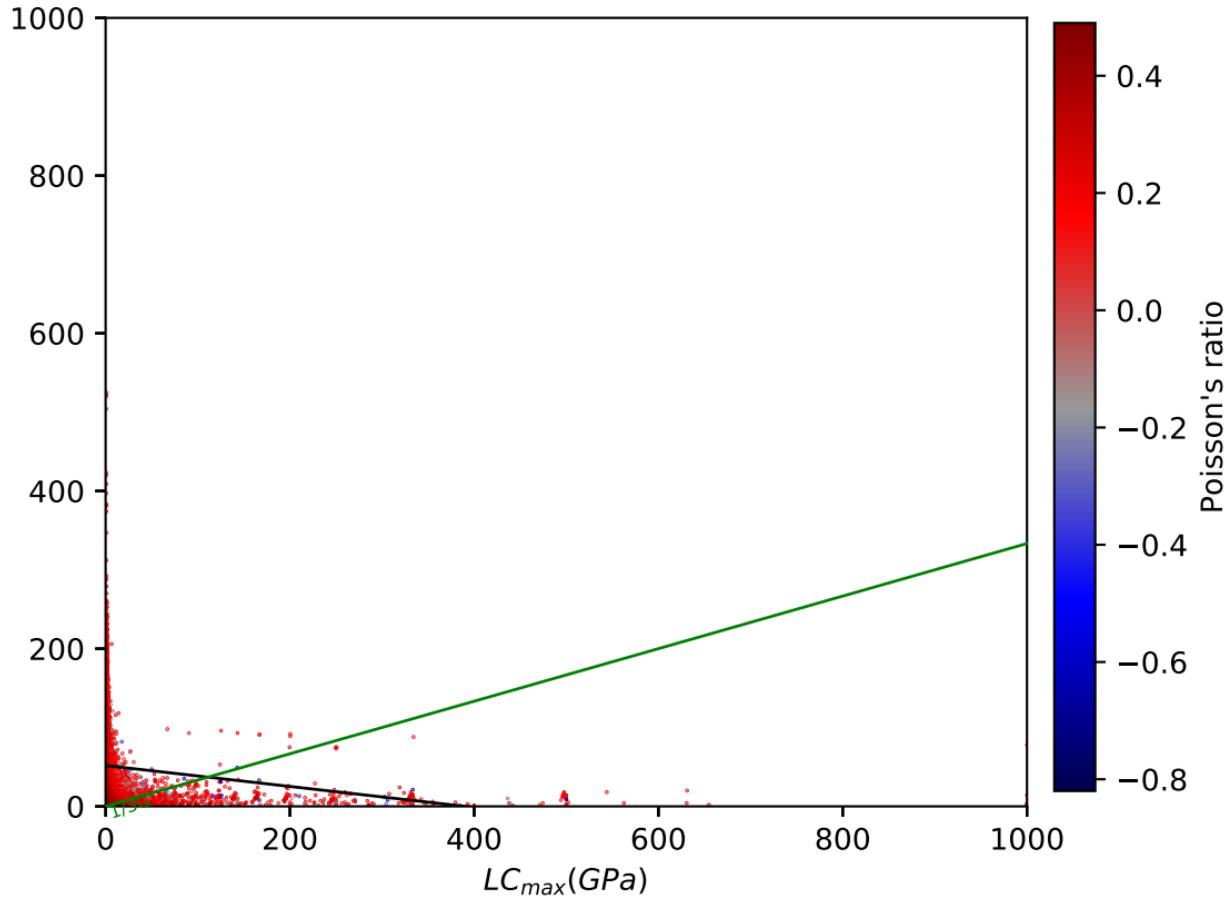


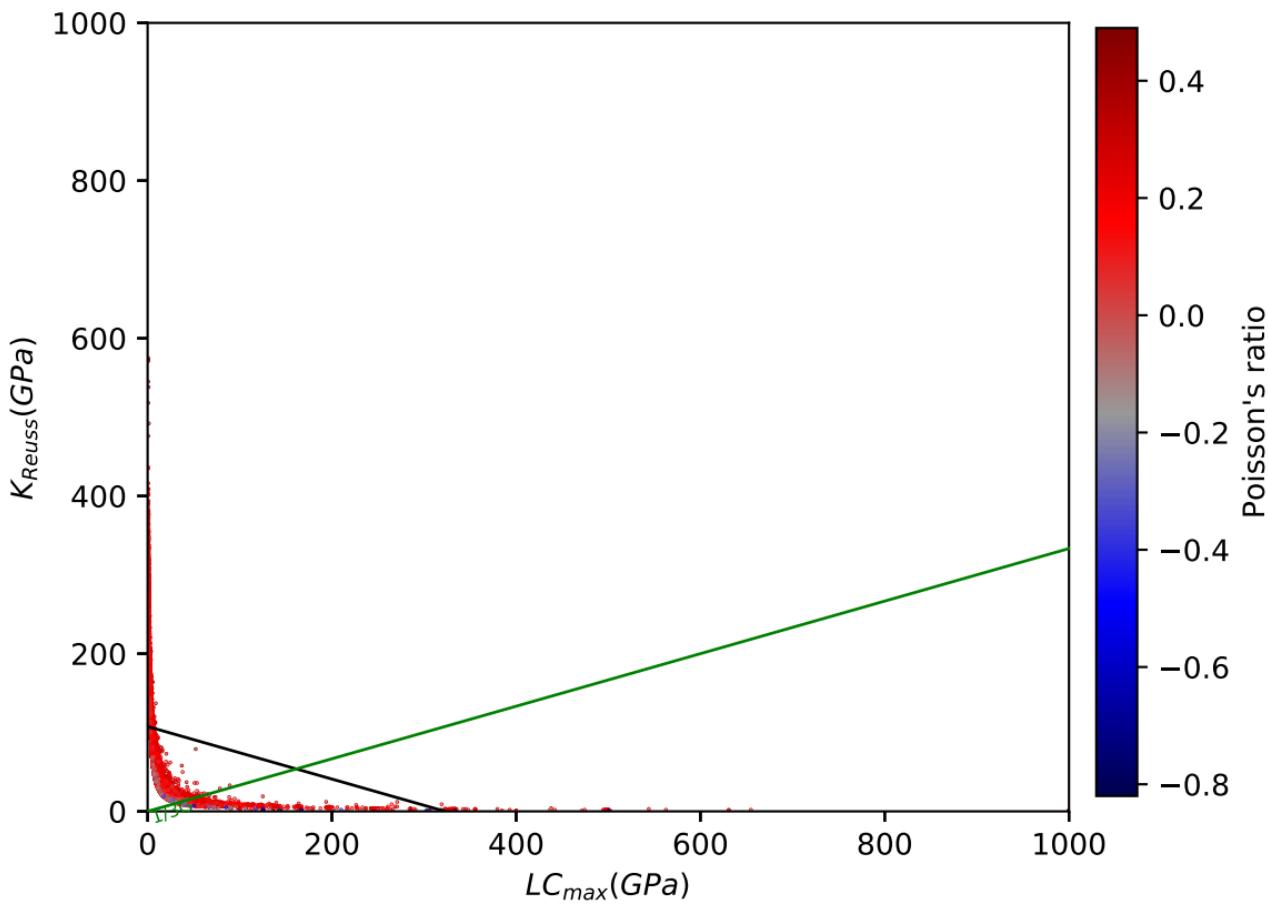


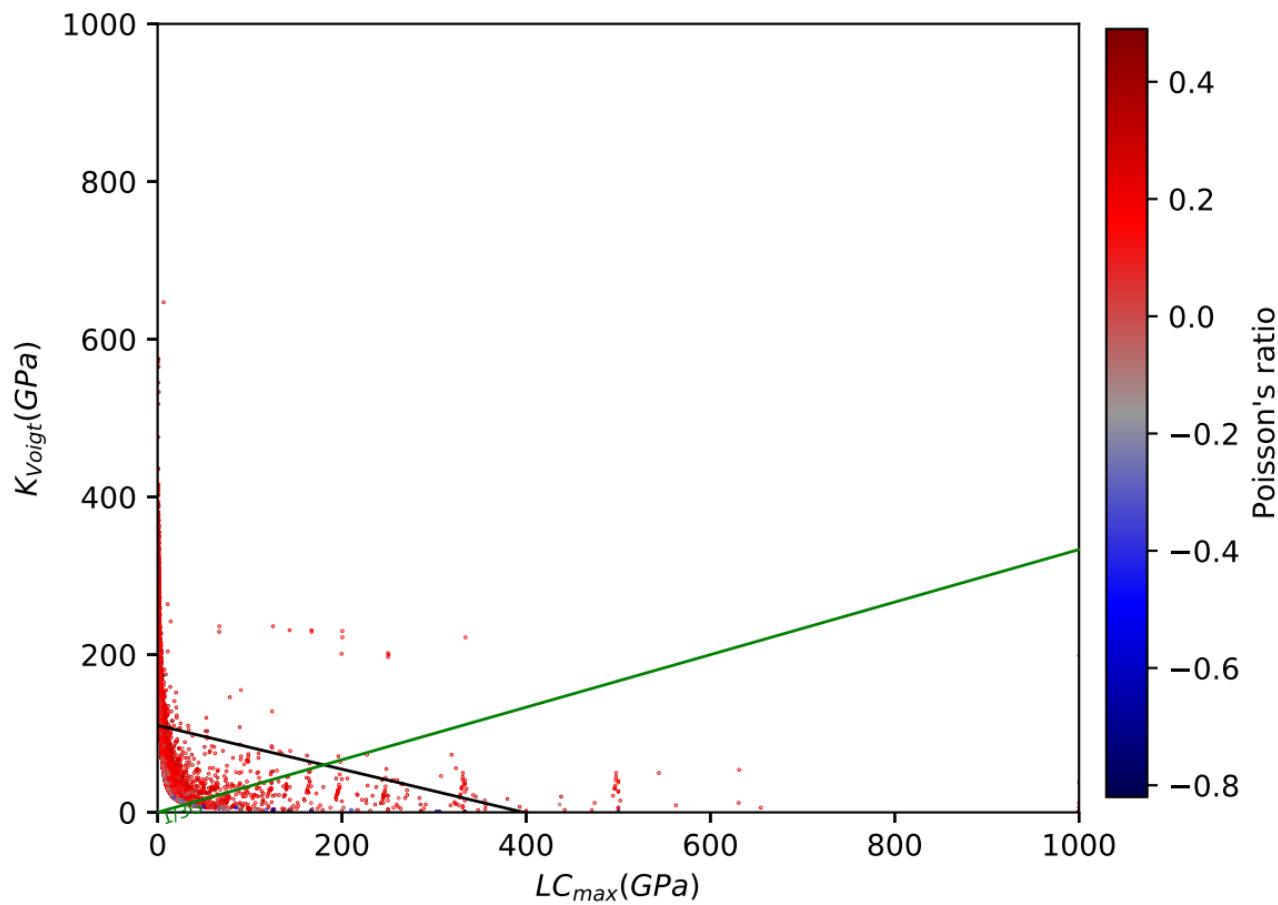


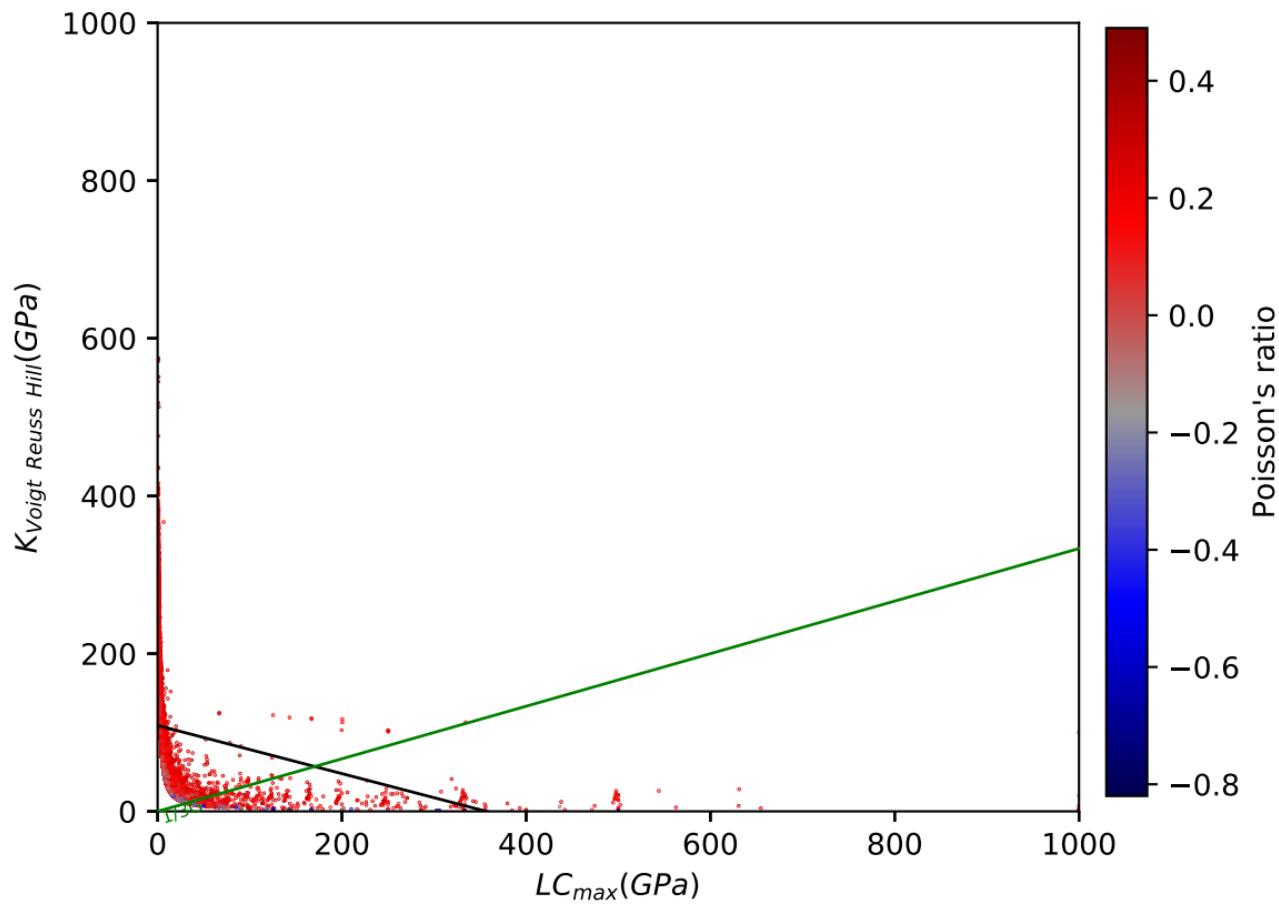


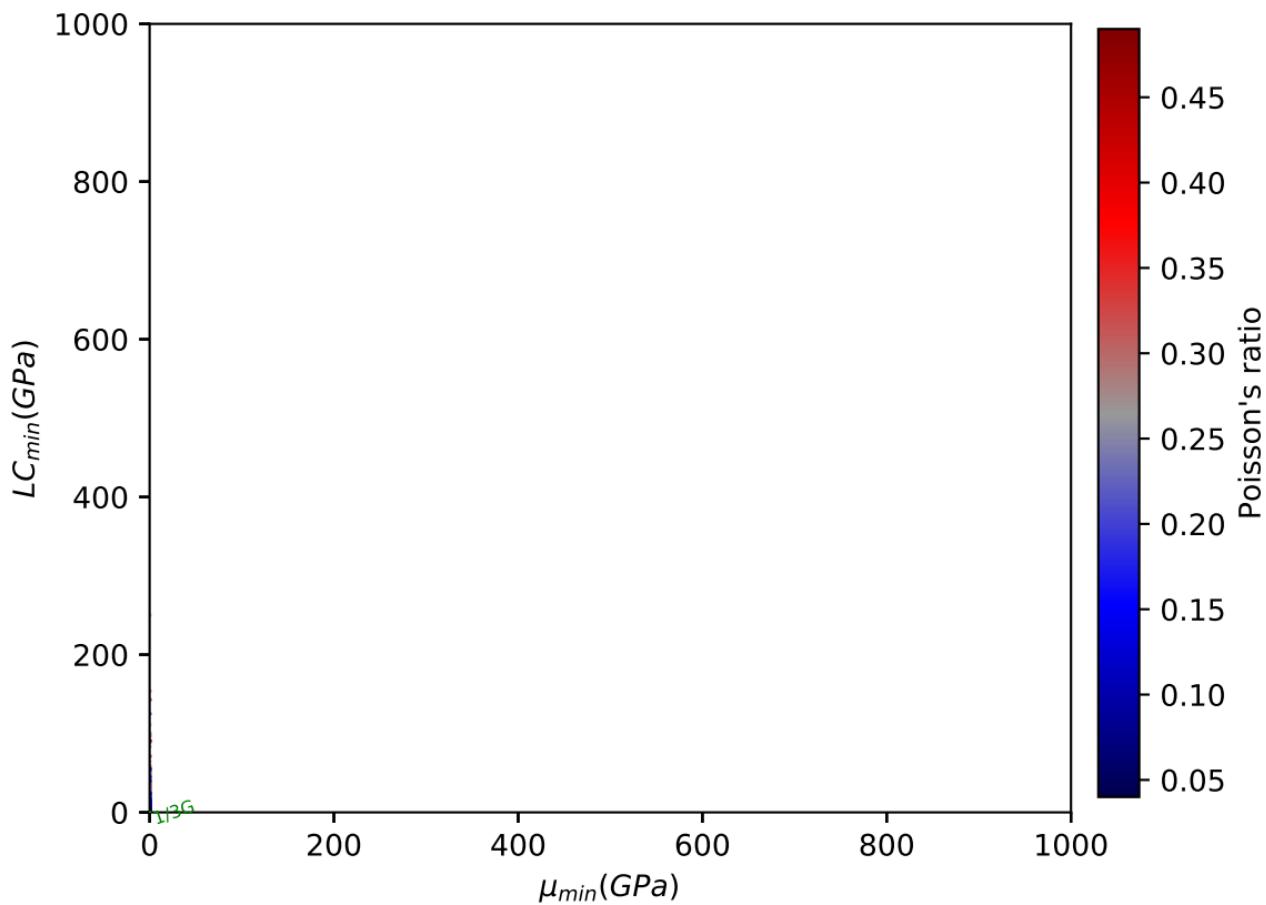


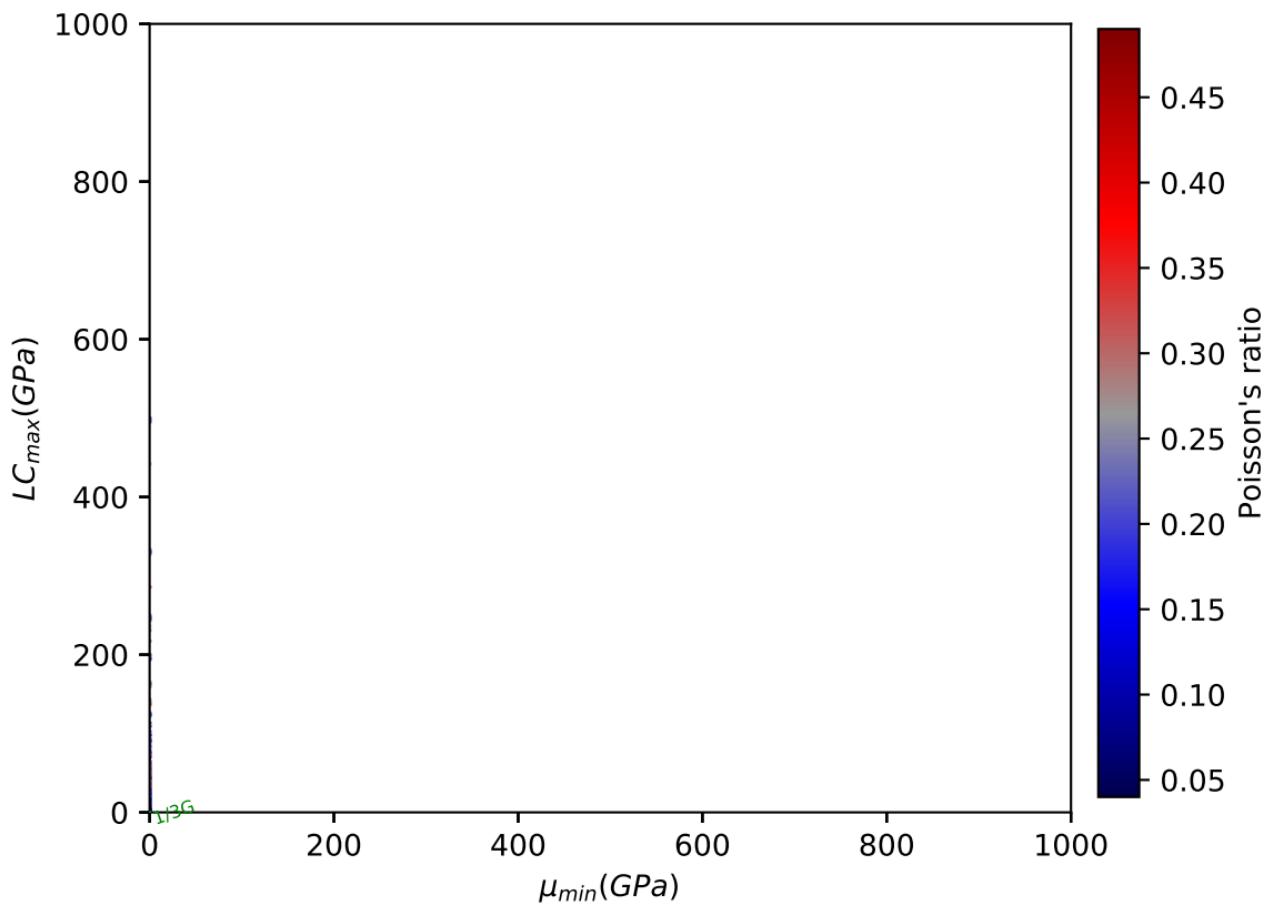
$G_{\text{Voigt Reuss Hill}}(\text{GPa})$ 

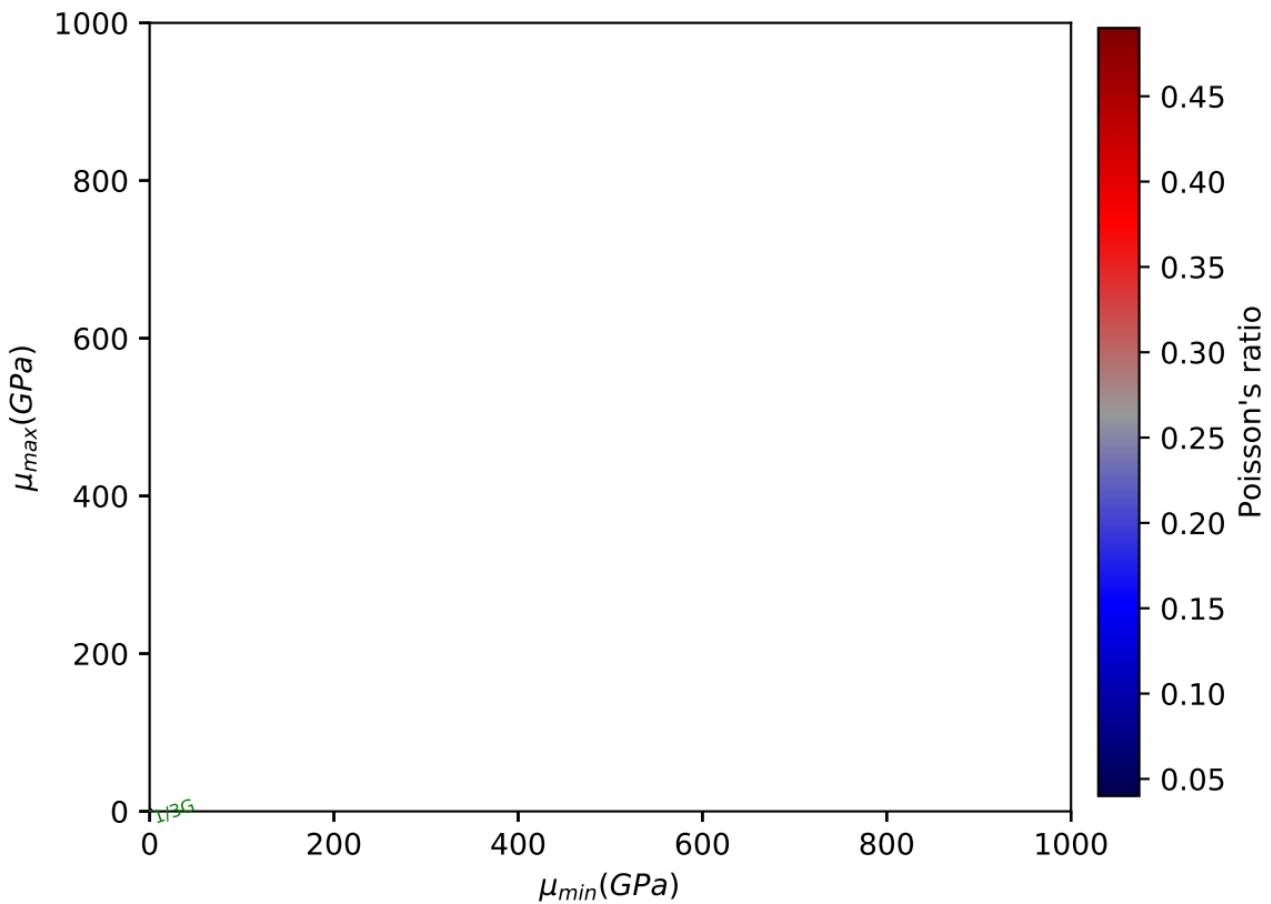


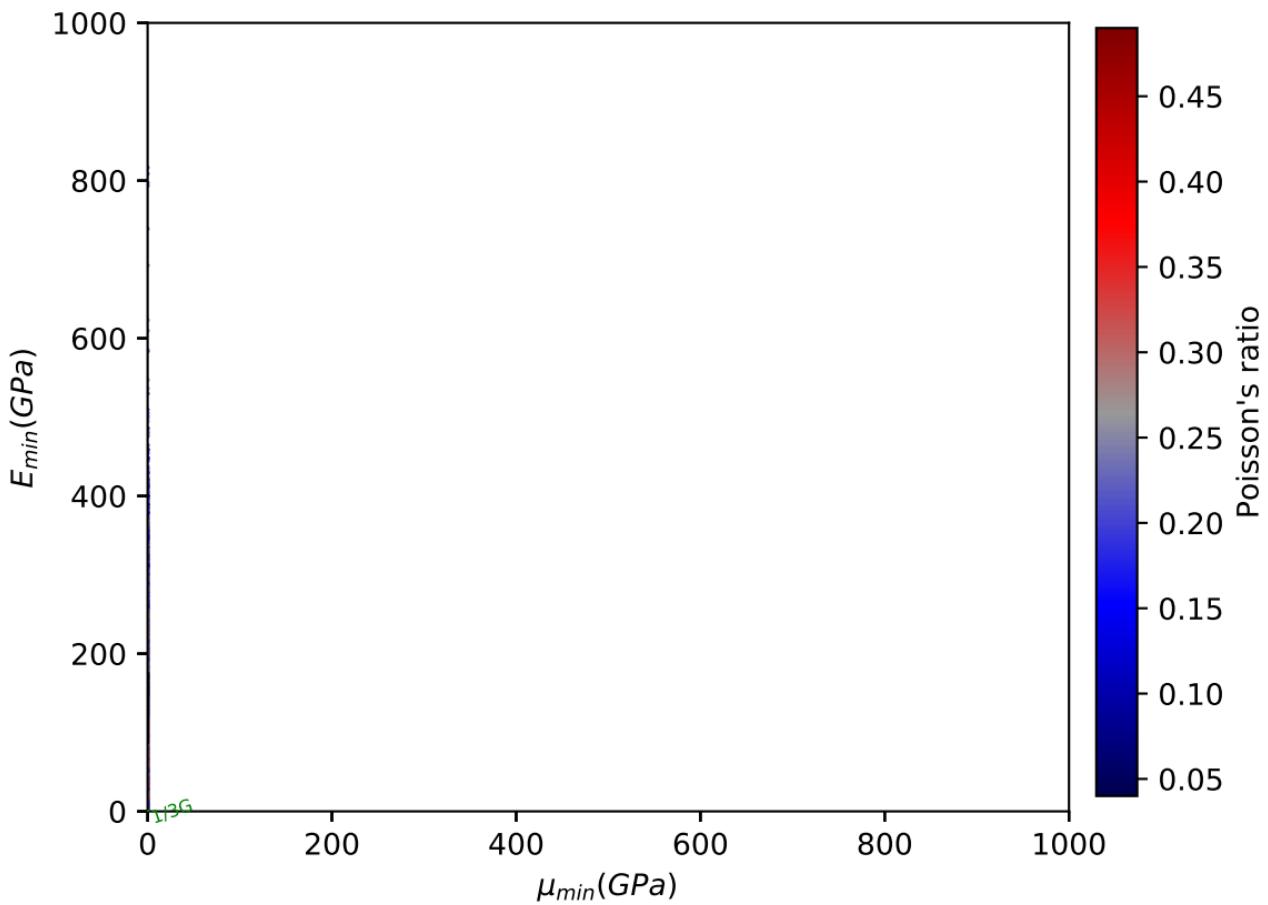


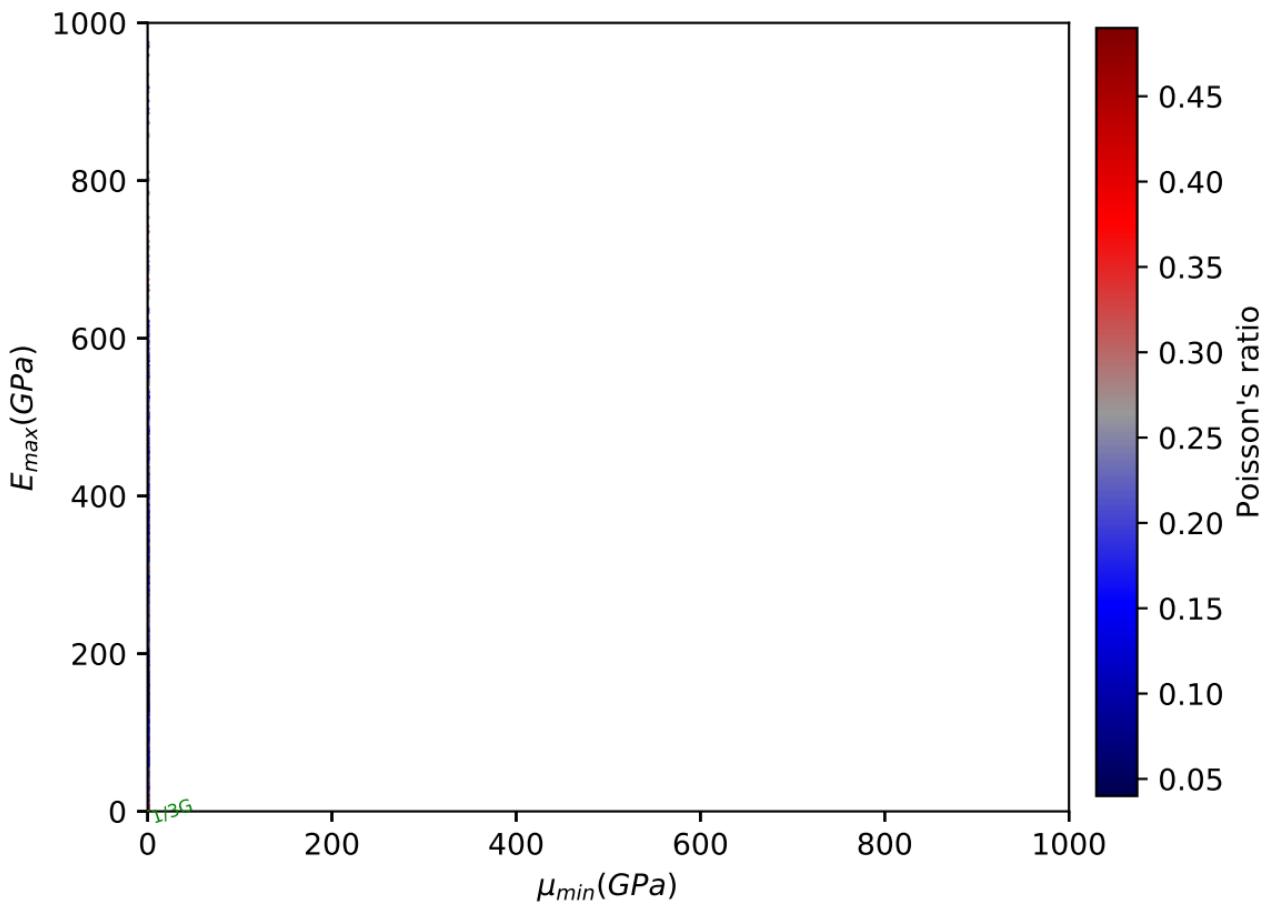


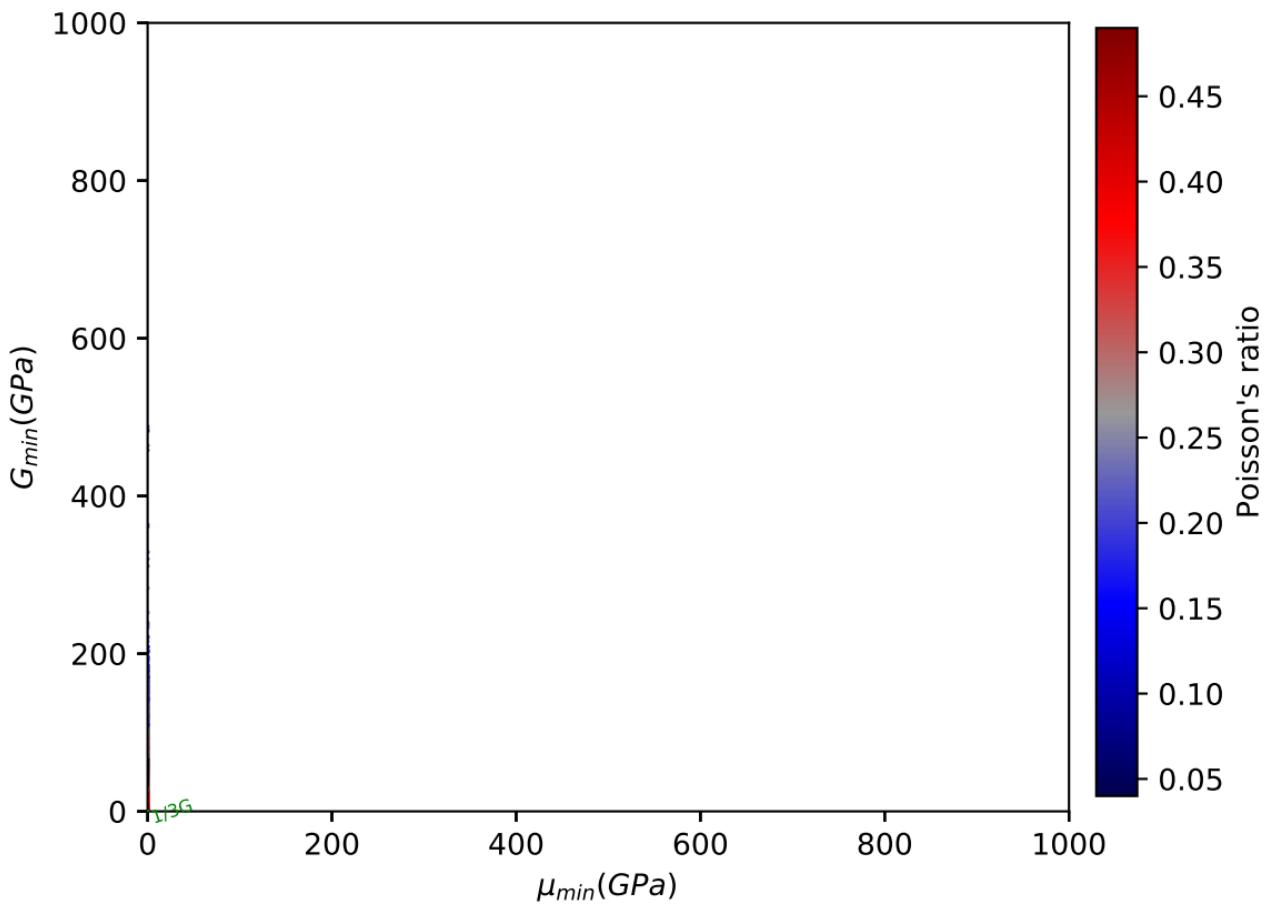


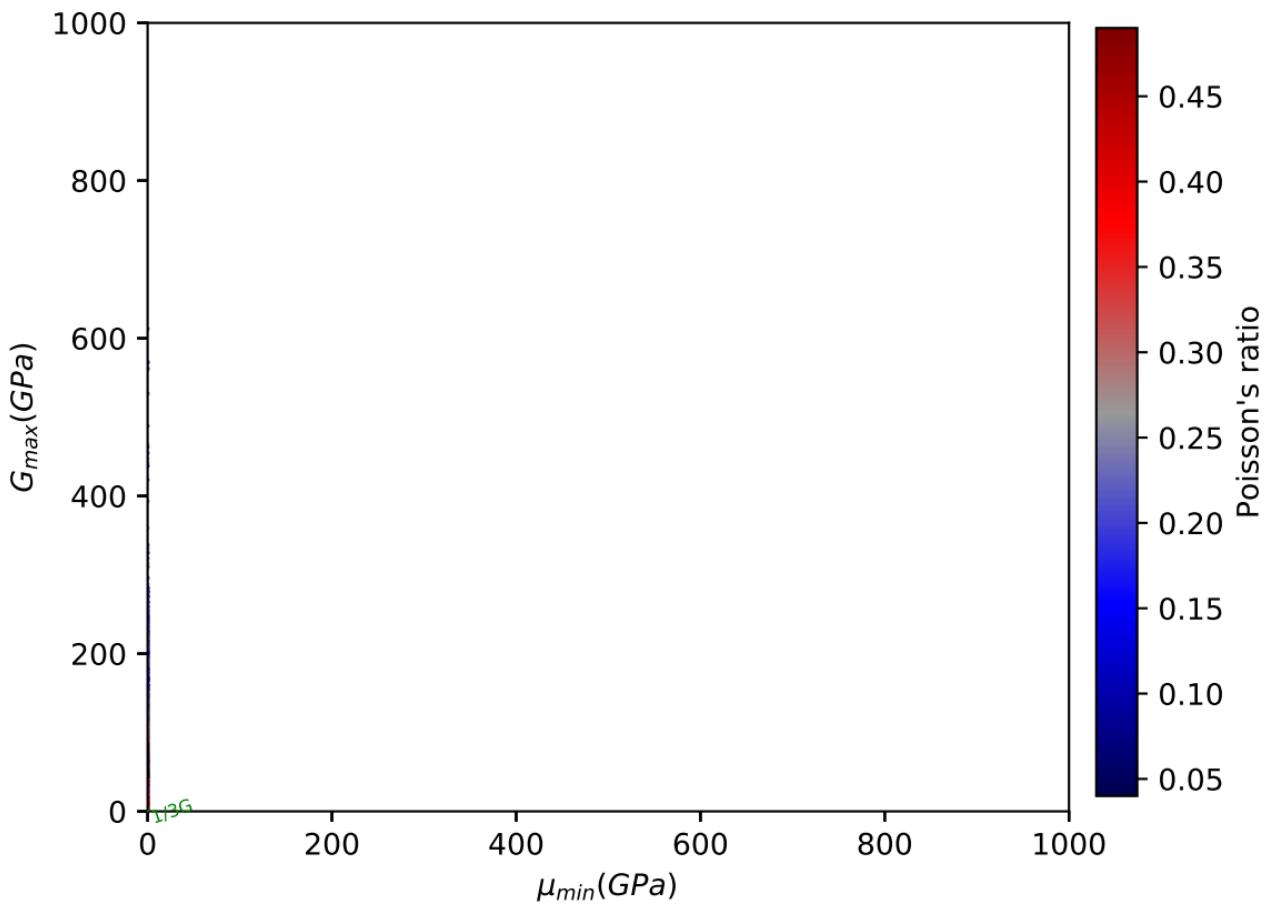


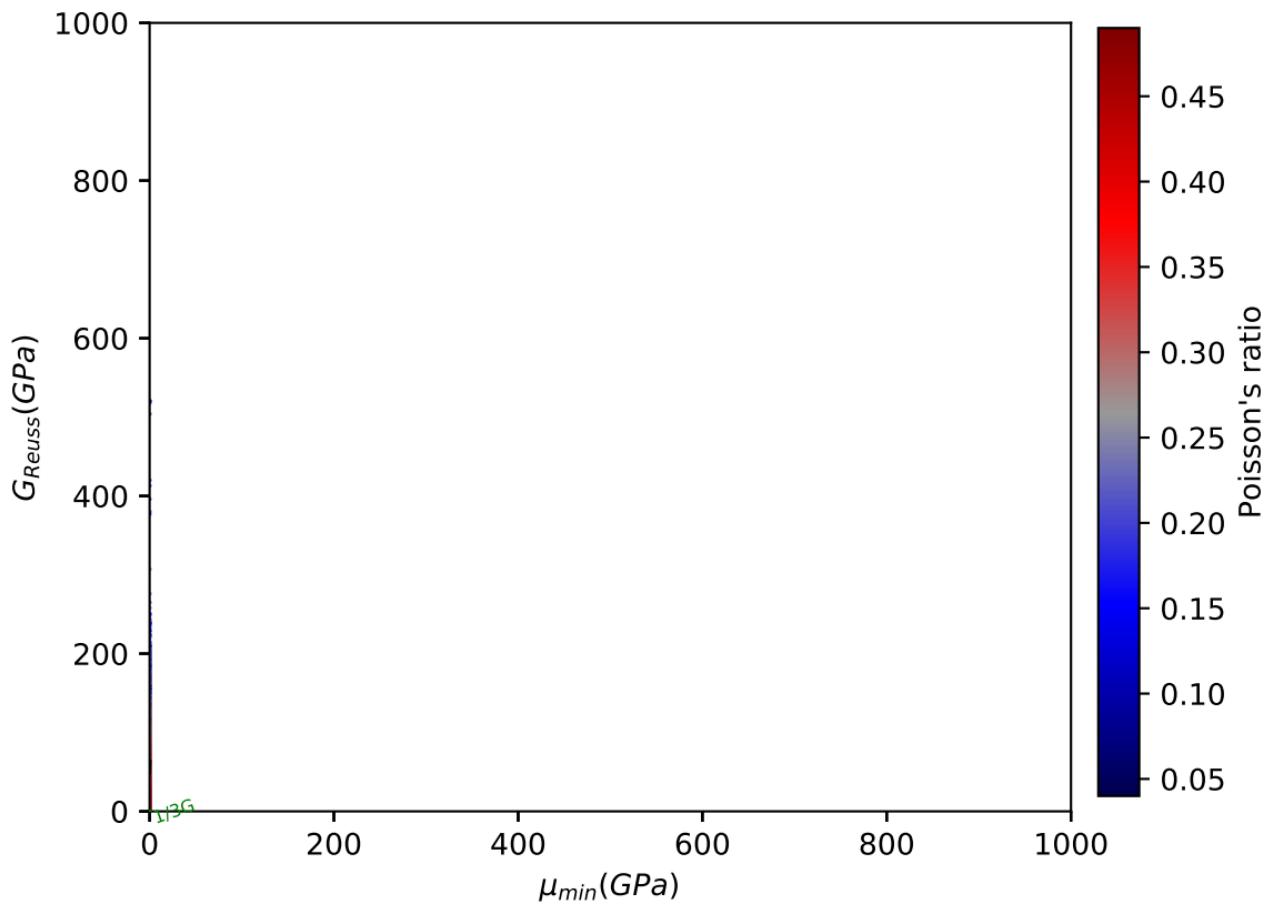












$G_{Vogt}(GPa)$ 

1000

800

600

400

200

0

200

400

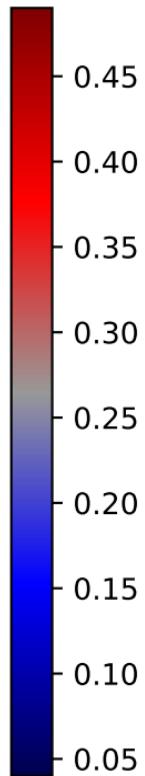
600

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

0.45

0.40

0.35

0.30

0.25

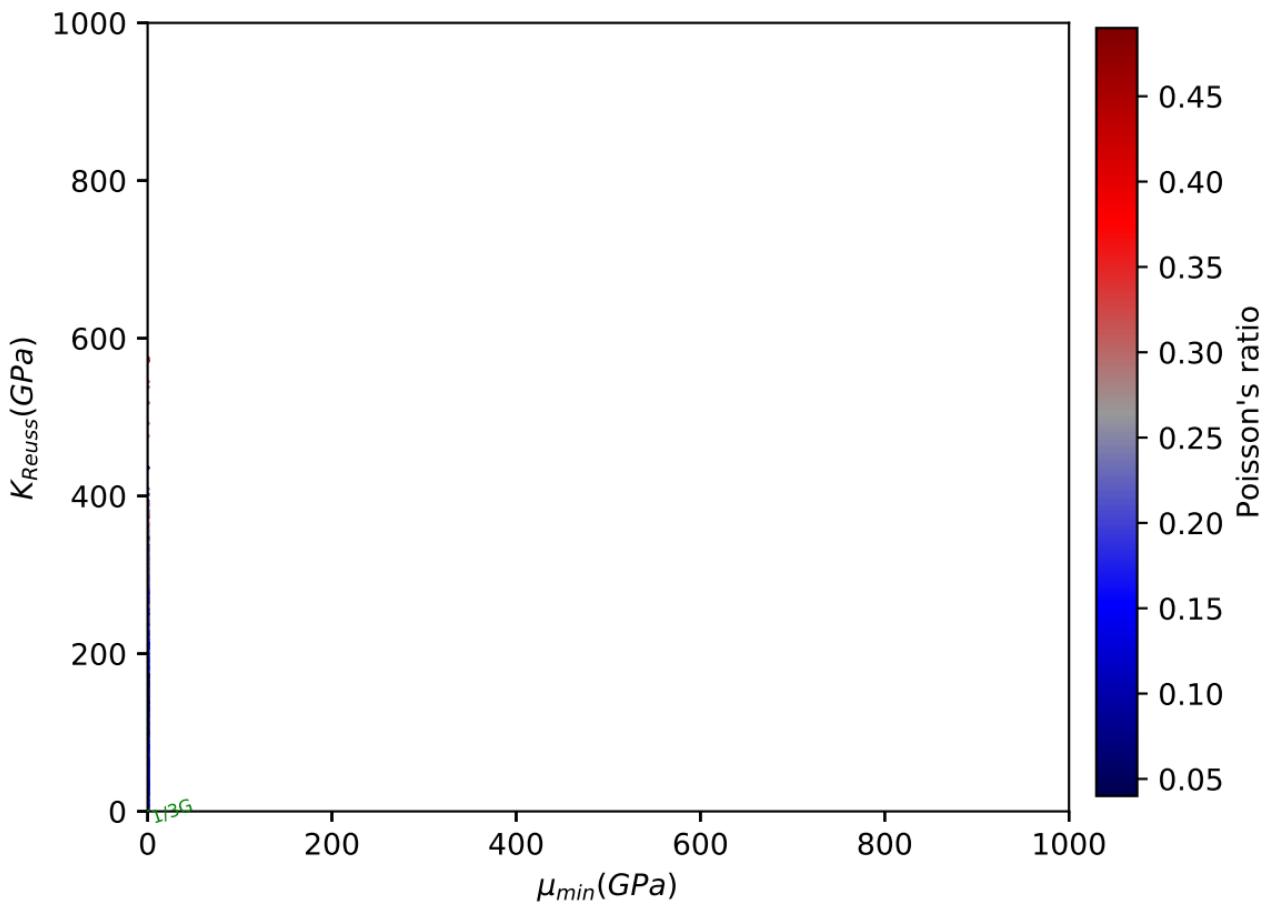
0.20

0.15

0.10

0.05

1234567890



$K_{Voigt}(GPa)$

1000

800

600

400

200

0

0

200

400

600

800

1000

$\mu_{min}(GPa)$

Poisson's ratio

0.45

0.40

0.35

0.30

0.25

0.20

0.15

0.10

0.05

0.05

0.10

0.15

0.20

0.25

0.30

0.35

0.40

0.45

0.50

0.55

0.60

0.65

0.70

0.75

0.80

0.85

0.90

0.95

1.00

1.05

1.10

1.15

1.20

1.25

1.30

1.35

1.40

1.45

1.50

1.55

1.60

1.65

1.70

1.75

1.80

1.85

1.90

1.95

2.00

2.05

2.10

2.15

2.20

2.25

2.30

2.35

2.40

2.45

2.50

2.55

2.60

2.65

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

3.10

3.15

3.20

3.25

3.30

3.35

3.40

3.45

3.50

3.55

3.60

3.65

3.70

3.75

3.80

3.85

3.90

3.95

4.00

4.05

4.10

4.15

4.20

4.25

4.30

4.35

4.40

4.45

4.50

4.55

4.60

4.65

4.70

4.75

4.80

4.85

4.90

4.95

5.00

5.05

5.10

5.15

5.20

5.25

5.30

5.35

5.40

5.45

5.50

5.55

5.60

5.65

5.70

5.75

5.80

5.85

5.90

5.95

6.00

6.05

6.10

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6.20

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6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

7.05

7.10

7.15

7.20

7.25

7.30

7.35

7.40

7.45

7.50

7.55

7.60

7.65

7.70

7.75

7.80

7.85

7.90

7.95

8.00

8.05

8.10

8.15

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8.40

8.45

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8.55

8.60

8.65

8.70

8.75

8.80

8.85

8.90

8.95

9.00

9.05

9.10

9.15

9.20

9.25

9.30

9.35

9.40

9.45

9.50

9.55

9.60

9.65

9.70

9.75

9.80

9.85

9.90

9.95

10.00

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

1000

800

600

400

200

0

0

200

400

600

800

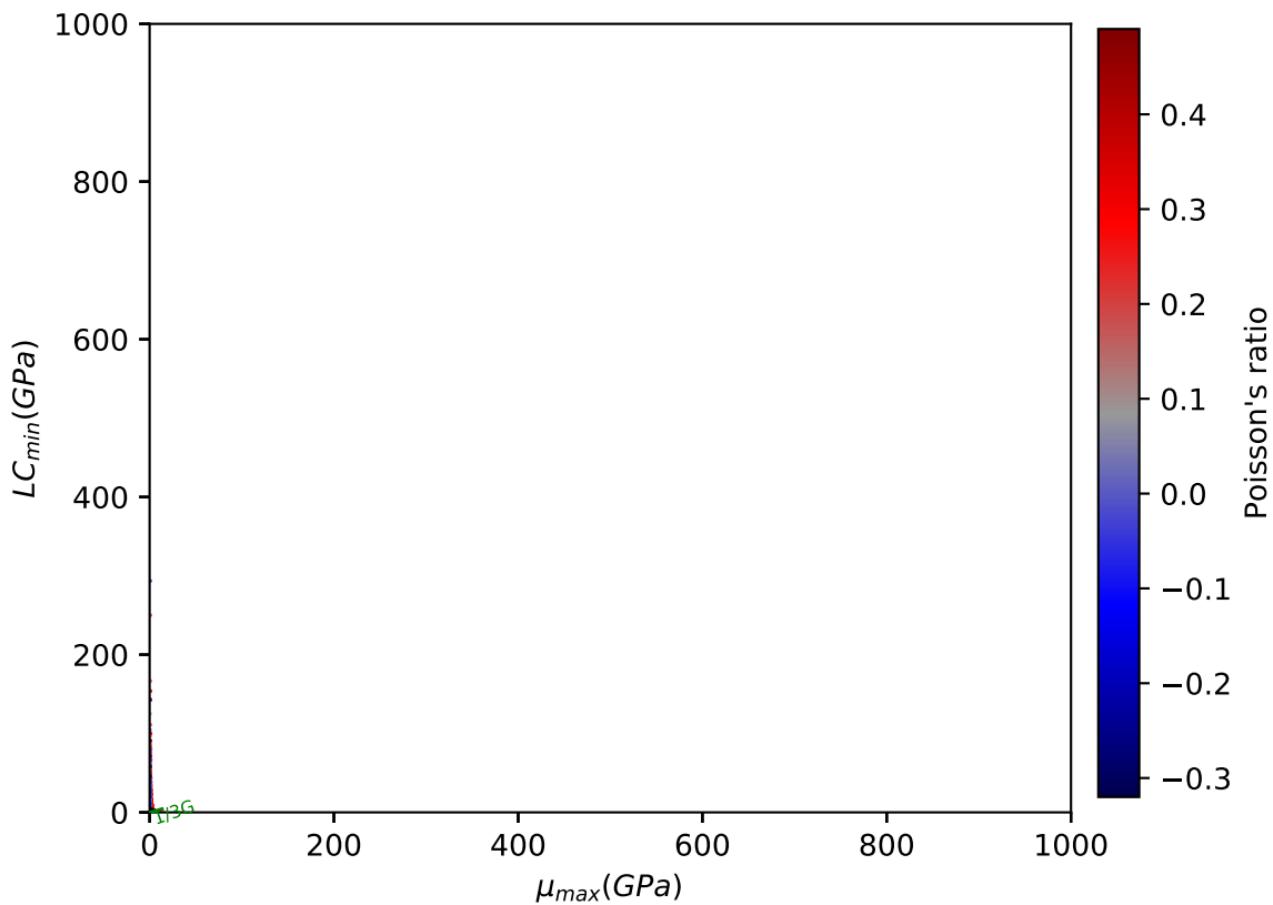
1000

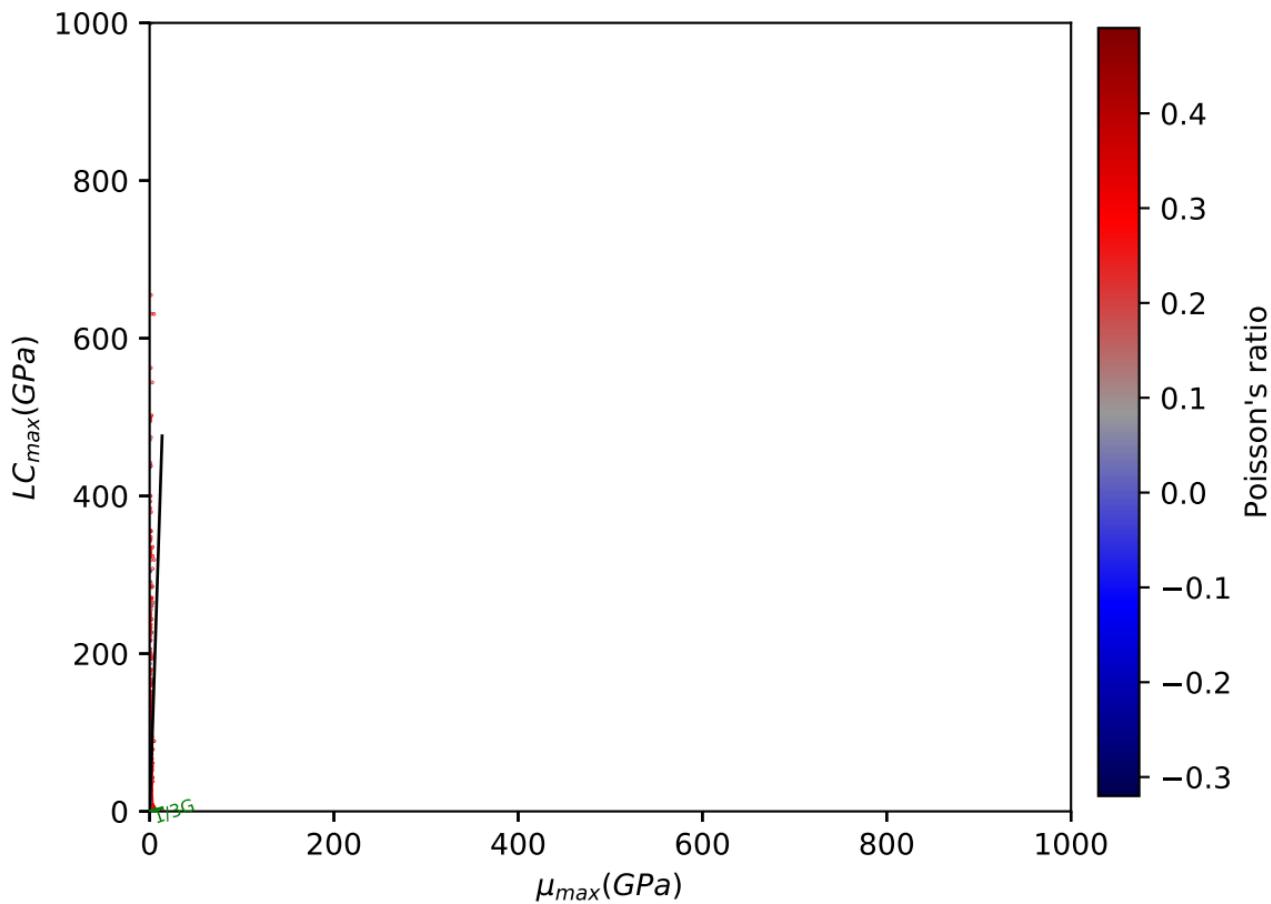
$\mu_{\min}(\text{GPa})$

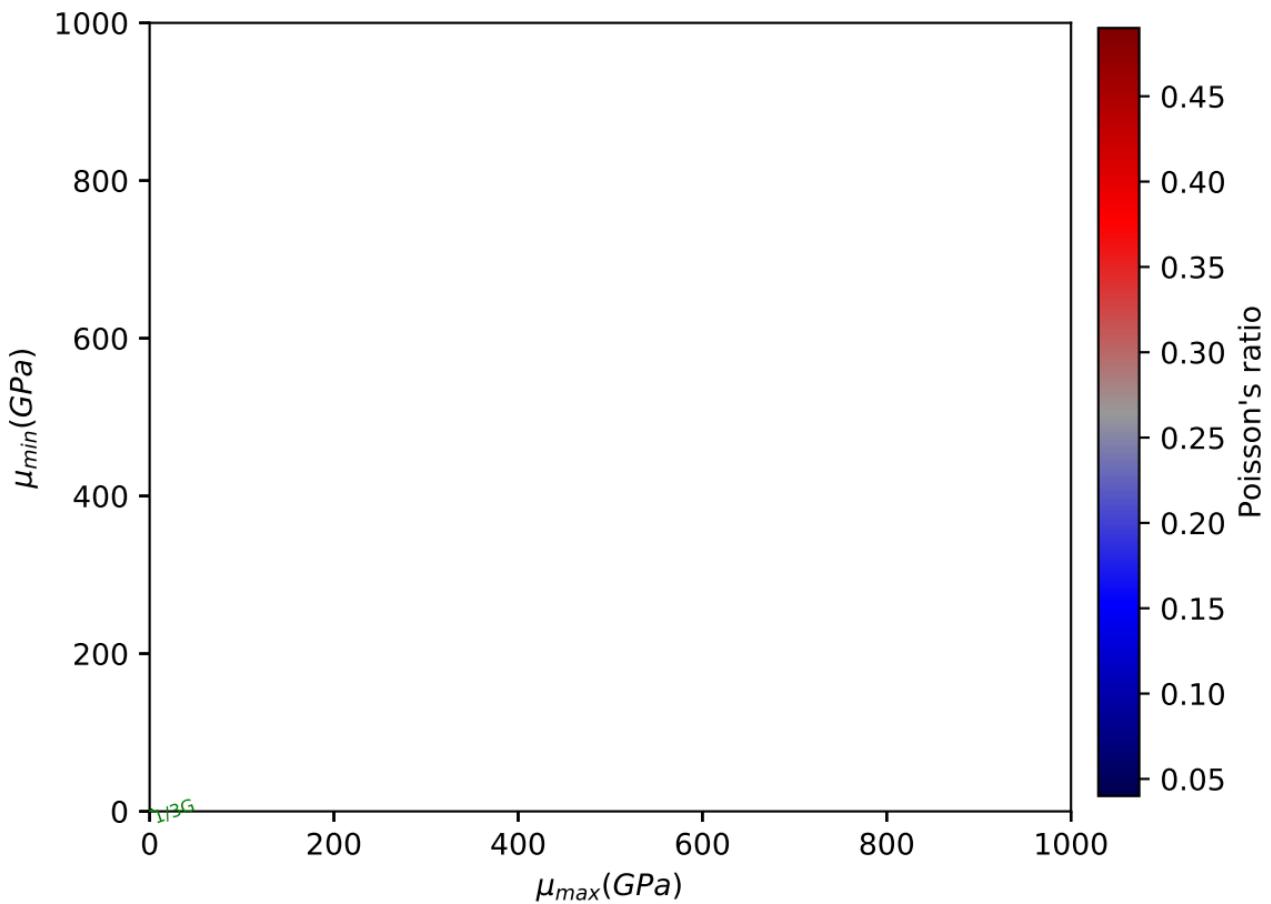
0.45  
0.40  
0.35  
0.30  
0.25  
0.20  
0.15  
0.10  
0.05

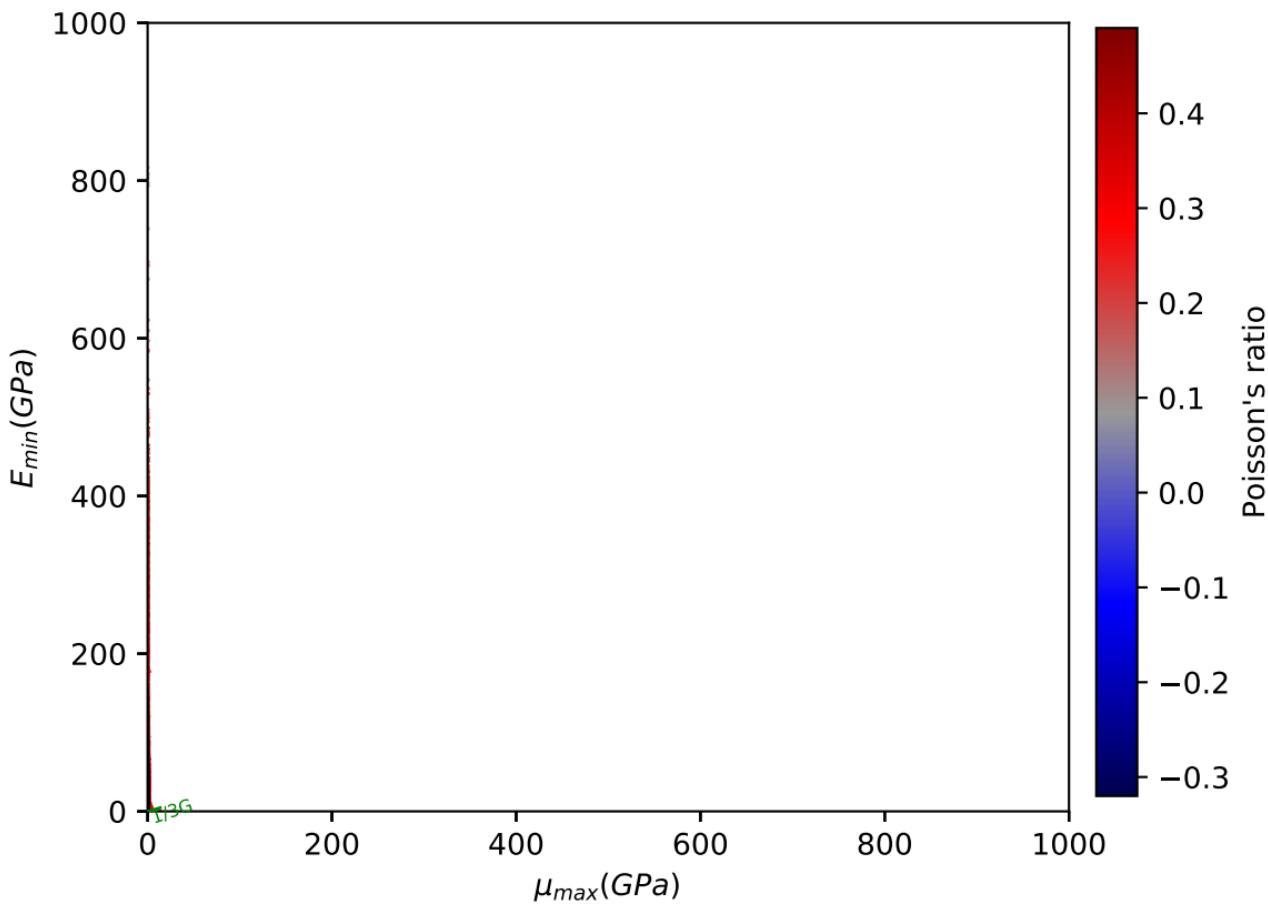
Poisson's ratio

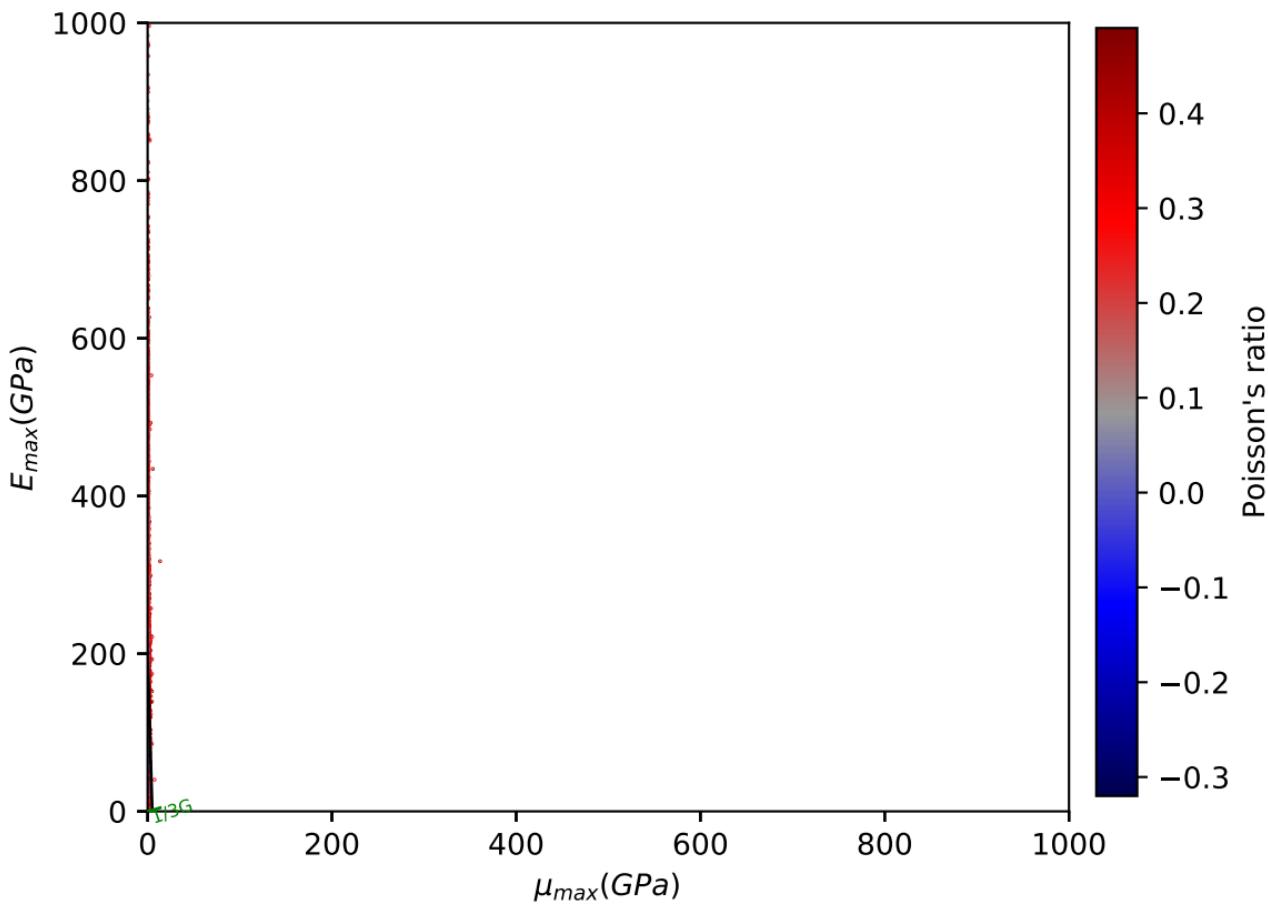
126

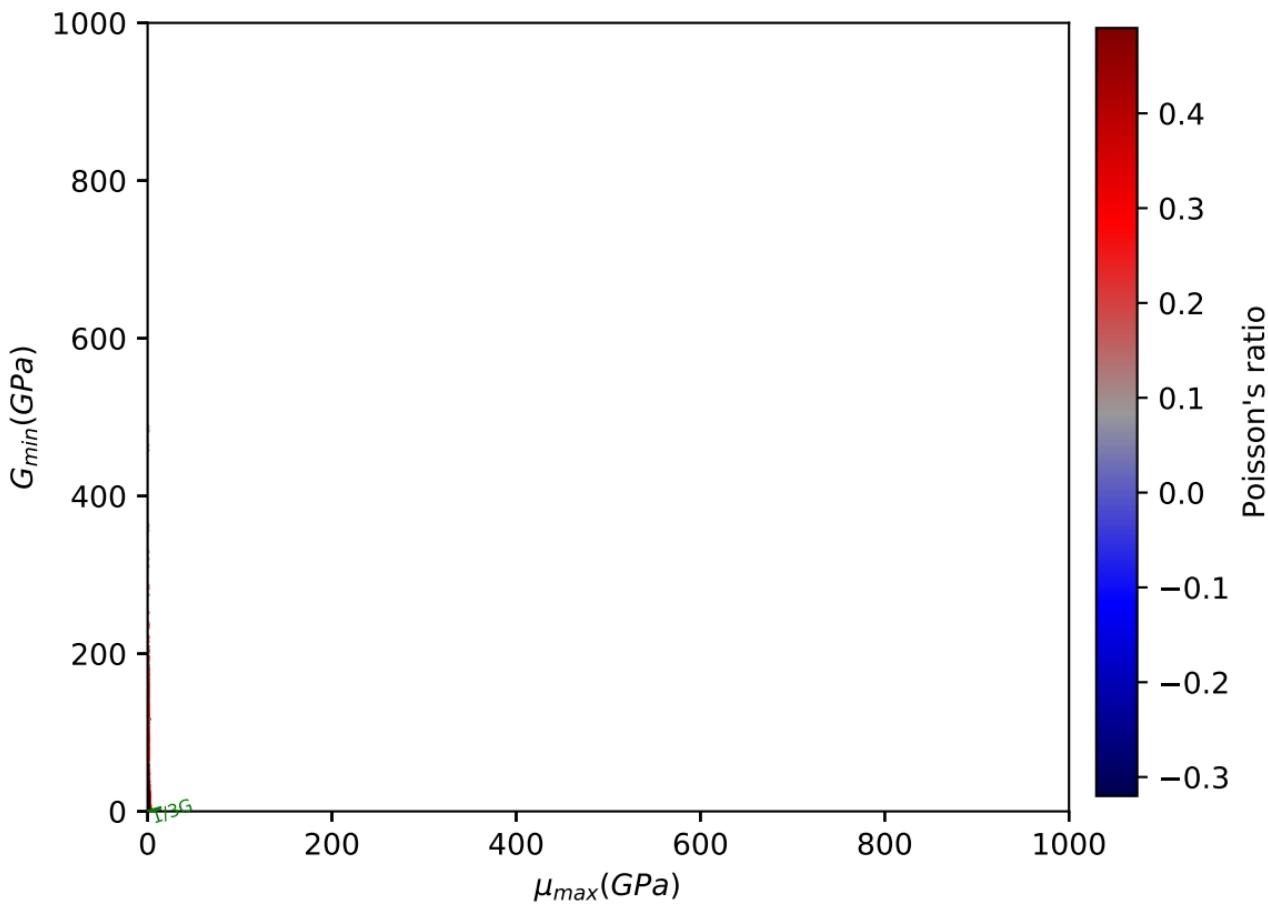


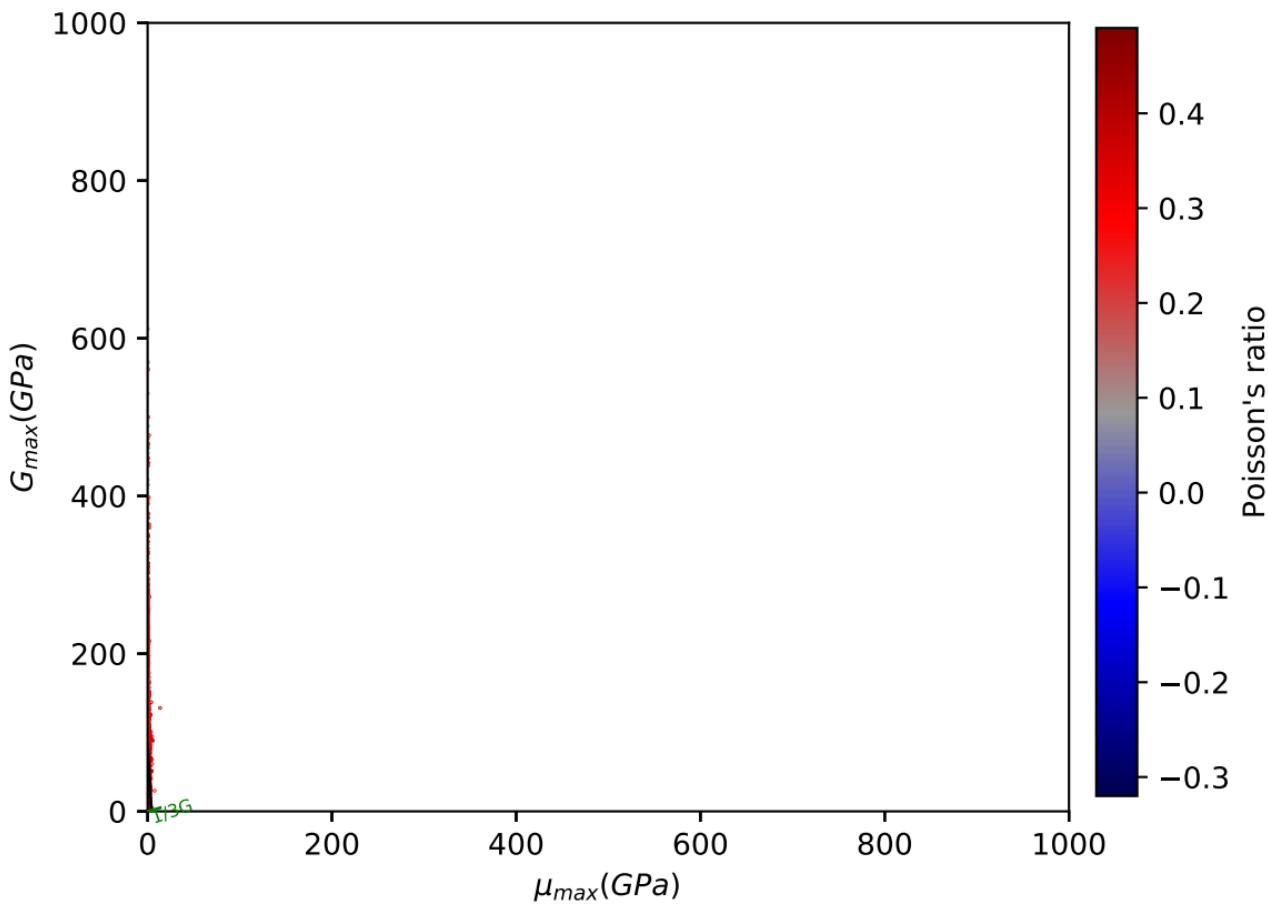


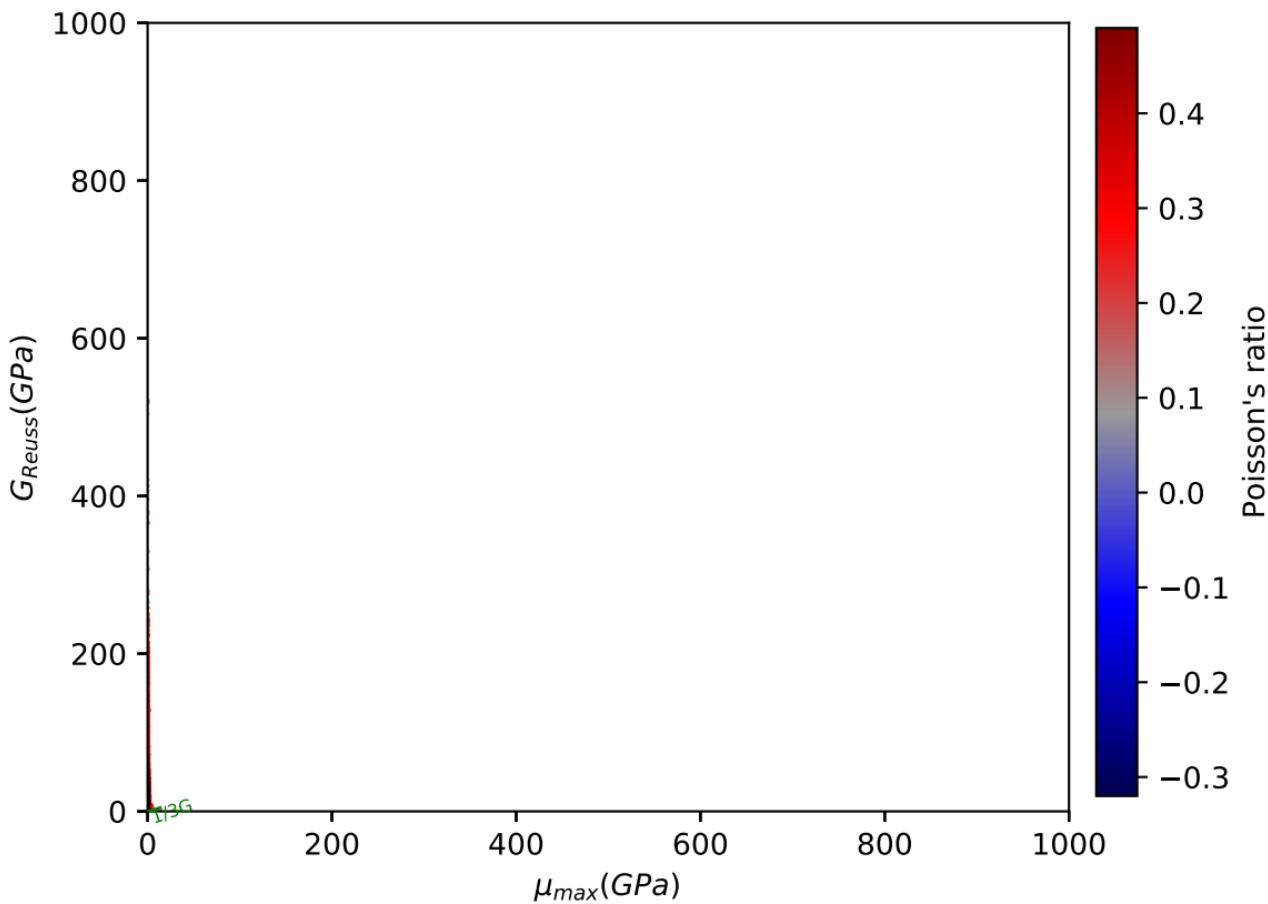












$G_{Vogt}(GPa)$ 

1000

800

600

400

200

0

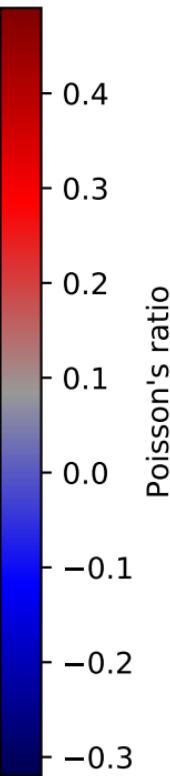
200

400

600

800

1000

 $\mu_{max}(GPa)$ 

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

1000

800

600

400

200

0

200

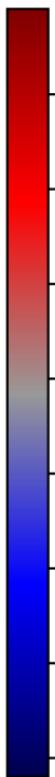
400

600

800

1000

$\mu_{max}(GPa)$



Poisson's ratio

0.4

0.3

0.2

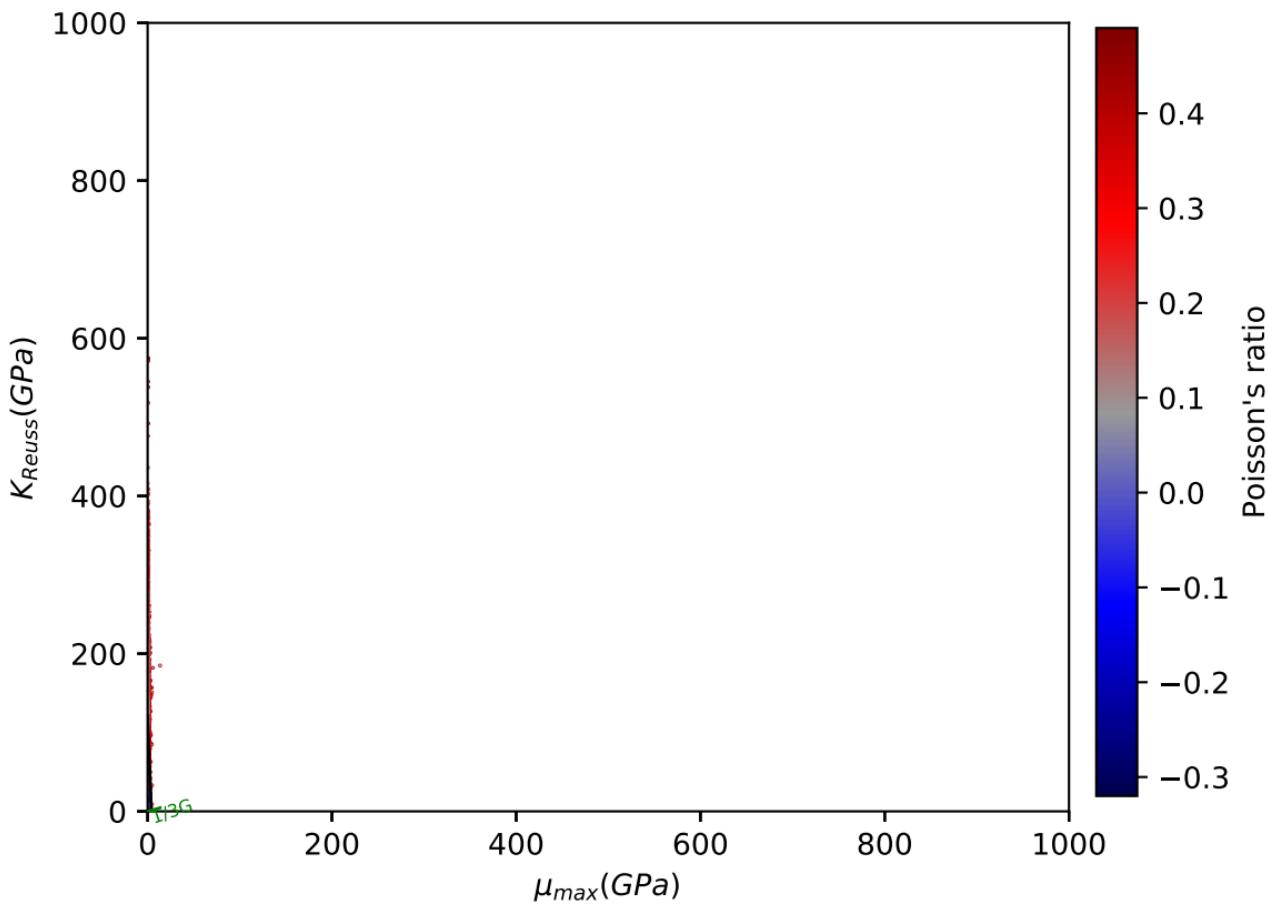
0.1

0.0

-0.1

-0.2

-0.3



$K_{Voigt}(GPa)$ 

1000

800

600

400

200

0

200

400

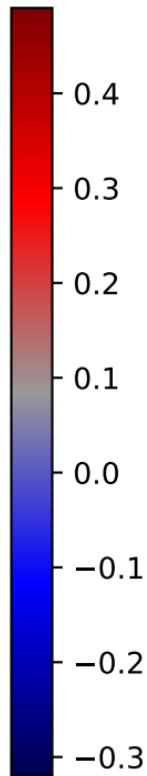
600

800

1000

 $\mu_{max}(GPa)$ 

Poisson's ratio



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

1000

800

600

400

200

0

200

400

600

800

1000

$\mu_{max}(GPa)$

Poisson's ratio

