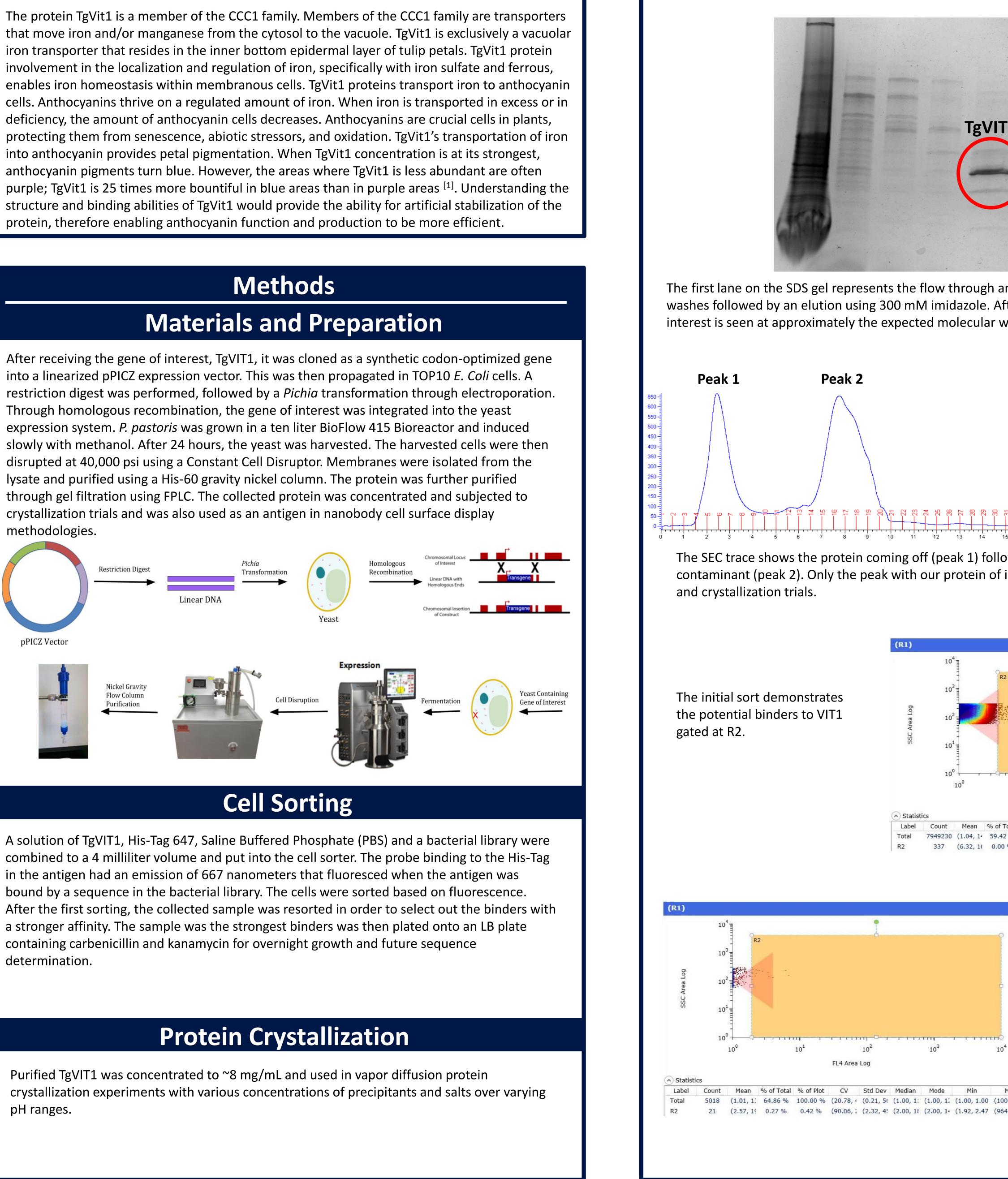


Characterization of Vacuolar Iro Tulipa gesn

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Introduction

Methods



Results

on Transporter 1 (VIT1) <i>Deriana</i> J. Dr. Aaron McGrath, Dr. Geoffrey Cha	
- 35 kDa - 25 kDa - 25 kDa - 25 kDa - 25 kDa	Residing in the epidermal layer of tuli localization and regulation of iron. Tgy enabling iron homeostasis within men- transporting iron to anthocyanins cell are too high or too low the amount of protects the plant from external dang Furthermore, anthocyanin provides th high, the anthocyanin pigment turns turns purple. Our results are a basis for VIT1 as an iron transporter in the cell must replicate our work in order to de researchers could explore TgVIT1's str dimensional structure of the protein. how it functions. Furthermore, once about it characteristics, researchers cou
veight of 29 kDa.	 [1] Kim, Sun A., et al. Localization of Membrane Transporter VI [2] Momonoi, Kazumi, et al. A Vacuo Coloration in Petal Cells thro [3] Shi, Pengbao, et al. <i>Iron Supply A</i> <i>Expression in Berries of Vitis</i> 2017.
wed by a separation from a large interest was collected for cell sorting	C We would like to thank everyone in our experience working in the lab. W being amazing mentors. We would a work in his lab. Lastly, we would like giving us her help along the way.
Total % of Plot CV Std Dev Median Mode Min Ma 2 % 100.00 % (16.02.: (0.17, 5: (1.00, 1: (1.00, 1: (1.00, 1.00) (1000) 0 % 0.00 % (85.04,: (5.37, 6: (6.00, 1: (4.00, 2: (3.67, 2.47 (9645) The re-sort gated the binders at R2 with the stronger affinity to the antigen, eliminating the non-specific interactions from	
⁴ the initial sort. ^{Ma} 1001 145	Acac

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Conclusion

ip petals, the iron transporter protein TgVIT1 is involved in the VIT1 is involved in the localization and regulation of iron while mbranous cells. The TgVIT1 protein plays a fundamental role Is that thrive on a regulated amount of iron. If the iron levels of anthocyanin cells decreases. Anthocyanin is crucial as it gers such as senescence, abiotic stressors, and oxidation. the tulip petals with pigmentation. When TgVIT1 levels are blue and while TgVIT1 levels are low, the anthocyanin pigment for further trials that could provide insight for the function of I but in order to learn more about the transporter, researchers etermine it's validity. After our work is labeled as valid, ructure by utilizing an x-ray diffractor to analyze the 3-This would give a better understanding of the protein and the protein is stabilized and enough information is known could exploit TgVIT1 in order to genetically modify plants that v iron environments.

References

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