PINIR (Potato Inhibitor Information Resource)  
DATA ANALYSIS (PINIR-MS-V1-NS)

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| **[d11] Genus wise Distribution of Sequences** |
| This graph shows the Number of Sequences present within a Genus. The Solanaceae are represented by brown color bar and non solanaceae are represented by blue color bar. |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d11_genus_seq_freq.png |
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| [d13] n-Domains Distribution for solanaceae and non solanaceae plants |
| This graph shows n-domain distribution for solanaceae and non solanaceae plants. |
| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d13_Solanaceae_n-domain_distribution.png |
| [d20] Genus and Organism wise distribution of Linkers |
| The Heatmap shows the Occurrences of Linkers in genus. From the graph it is clear that Linkers are found only in Capsicum, Nicotiana and Solanum plants. As per the given scale an increase in the intensity depicts larger number of occurrences of corresponding Linker within a Genus. For e.g. genus 'Capsicum' has largest no. of occurrences of 'DPNNP' linker. |
| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d20_LinkerDistributionAcrossGenus.png |
| The Heat map shows the number of Linkers within Organisms. As per the given scale an increase in the intensity depicts larger number of Linkers within an Organism. For e.g. organism 'Capsicum annuum (Bell pepper)' has larger no. of Linkers 'DPNNP' and 'EGNAE' |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d20_LinkerDistributionAcrossOrganism.png |
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| [d21] Top 8 Organism wise distribution of Linkers |
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| The Heat map shows the number of Linkers within Top 8 Organisms. As per the given scale an increase in the intensity depicts larger number of Linkers within an Organism. For e.g. organism 'Capsicum annuum (Bell pepper)' has larger no. of Linkers 'DPNNP' and 'EGNAE' |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d20_LinkerDistributionAcrossTop8Organism.png |
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| [d22] Linker Occurrence frequency (for both Type1 and Type2) |
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| This graph shows both Type 1(Blue) and Type 2 (Brown) in same. |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d22_LinkerSequenceDiversityAndVariation.png |
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| Type 1 Linker Occurrence frequency |
| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d22_Type1LinkerSequenceDiversityAndVariation.png |
| Type 2 Linker Occurrence frequency |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d22_Type2LinkerSequenceDiversityAndVariation.png |
| [d24] Genus wise distribution of RCL |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d24_RclOccurrenceInGenus.png |
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| [d25] Top 8 IRD dominant Organism wise Distribution of RCL |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d25_RclOccurrenceInTop8IRDdominantOrganism.png |
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| [d30] Target Protease distribution across Genus |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d30_targetSpecificityAcrossGenus.png |
| [d30] Target Protease distribution across top 8 Organisms |
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| E:\Development\Python\Udemy\Resources\PINIR\Selected\PINIRV4\Comments_PINIR-MS-V1-NS\Graphs\d30_targetSpecificityAcrossTop8Organism.png |