

Section Esmeralda

Three species belong to this section: *Phalaenopsis buyssoniana*, *P. pulcherrima* and *P. regnieriana*. Column foot of species in this section is long, forming a saccate-like structure with the clawed base of the lip. Their midlobes are three-lobulate, with the resulting lateral lobules in *P. buyssoniana* and *P. pulcherrima* large and pronounced.

The callus of section Esmeralda is uniseriate. In *P. regnieriana* the callus is bifid, similar to those found in sections *Deliciosae* and *Polychilos*.

Another interesting characteristic of the species in this section are the terrestrial habit and the production of a principal flush of roots in a root collar all around the plant.

| Names | Progeny F1/Total | Gen. | FCC | AM | HCC | JC | AD | AQ | CC | CCE | CCM | CHM | CBR | CBM | Total | Strenghten | Weakness |
|--|------------------|------|-----|----|-----|----|----|----|----|-----|-----|-----|-----|-----|-------|---|---|
| <i>Phalaenopsis buyssoniana</i> | 36/500 | | | 2 | 4 | 1 | | | | | 3 | | | 1 | 11 | Selective breeding bring intense color, specially white. Also, enhanced flower shaped and size. | |
| <i>P. Red Coral</i> | 84/295 | | 1 | 6 | 12 | 1 | 1 | | | | 1 | | | | 22 | | |
| <i>P. Memoria Clarence Schubert</i> | 62/224 | | | 6 | 4 | | | | | 2 | | | | | 12 | | |
| <i>P. Malibu Queen</i> | 7/13 | | | | 7 | | | | | 1 | | | | | 8 | | |
| <i>Phalaenopsis pulcherrima/Phalaenopsis regnieriana</i> | 286/10790 | | | 51 | 46 | 7 | 1 | 1 | | | 6 | 5 | | 1 | 118 | It can produced a massive display of flowers | |
| <i>P. Purple Gem</i> | 33/46 | | | 12 | 14 | 1 | | | | | 3 | | | | 30 | | |
| <i>P. Pixie Star</i> | 6/9 | | | 10 | 10 | | | | | 1 | | | | | 21 | | |
| <i>P. Talitha Klehm</i> | 5/5 | | | 10 | 7 | 2 | 1 | 1 | | | | | | | 21 | | |
| <i>P. Fire Cracker</i> | 10/19 | | | 4 | 8 | 1 | | | | 1 | | | | | 14 | | |
| <i>P. Kenneth Schubert</i> | 34/92 | | | 5 | 5 | 1 | | | | | | | | | 11 | | |
| <i>P. Anna-Larati Soekardi</i> | 29/38 | | | | 7 | | 1 | 1 | | | | | | | 9 | | |
| <i>P. Jim</i> | 23/29 | | | 1 | 2 | | | | | | | | | | 3 | | |
| <i>P. Siam Treasure</i> | 7/7 | | | 2 | 6 | | | 1 | | | | | | | 9 | | |
| <i>Phalaenopsis chibae</i> | 18/20 | | | 20 | 13 | | | 1 | 2 | 4 | 11 | | | | 51 | Fragrance, branching and flower count. | First generations breeding can have not good substance and shape flowers, and they can be improved within a few generations |
| <i>P. Musick Surprise</i> | 2/2 | | | | 5 | | 1 | | | | | | | | 6 | | |
| <i>Phalaenopsis deliciosa</i> | 35/53 | | | 3 | 5 | 1 | | | | | | 2 | 1 | | 12 | Attractive marble colored leaves with reddish purple undersides. Increase flower count | Sometime not expected good shape. |
| <i>P. Tiny</i> | 12/16 | | | 1 | 2 | | 1 | | | | 1 | | | | 5 | | |
| <i>Phalaenopsis mysorensis</i> | 0/0 | | | | | | | | | | | | | | 0 | | Small flower size |