

PI 516573 to 516583-continued

PI 516582 **donor id:** GR 830. **origin:** Morocco. **collected:** August 09, 1983. **locality:** Heavy caliche soil, along stream bed, 20km E of Tangiers on Road S 704. **elevation:** 50m. **remarks:** Ecotype 2. Wild. Seed.

PI 516583 **donor id:** GR 862. **origin:** Tunisia. **collected:** August 23, 1983. **locality:** Clay basic soil, roadside, Maktar, 12km W of Maktar to Sbeitla on P 4. **elevation:** 1000m. **remarks:** 500mm rainfall. Wild. Seed.

PI 516584 to 516588. *Hippocrepis scabra* DC. FABACEAE

Donated by: Rumbaugh, M.D., Forage and Range Research Lab., USDA-ARS, Utah State University, Logan, Utah, United States; and Graves, W., Cooperative Agricultural Extension, 5556 Overland Avenue, Building 4, San Diego, California, United States. Received January 1986.

PI 516584 **donor id:** GR 506. **origin:** Morocco. **collected:** July 19, 1983. **locality:** Growing under trees along road, 1 km W of Mischliffen on Road 3206, SE of Azrou. **elevation:** 1950m. Wild. Seed.

PI 516585 **donor id:** GR 542. **origin:** Morocco. **collected:** July 20, 1983. **locality:** Mountain meadow slopes, base of ski lift at Mischliffen, SE of Azrou. **elevation:** 1900m. **remarks:** Plant abundant, mixed with *Festuca rubra* and *F. ovina*. Wild. Seed.

PI 516586 **donor id:** GR 555. **origin:** Morocco. **collected:** July 20, 1983. **locality:** On Road 4630, 13km E of junction of Roads P 24 and 4629, 29km NE of Ifrane. **elevation:** 1625m. Wild. Seed.

PI 516587 **donor id:** GR 586. **origin:** Morocco. **collected:** July 23, 1983. **locality:** Between Boumia and Tounfite, W of Midelt. **elevation:** 1900m. Wild. Seed.

PI 516588 **donor id:** GR 731. **origin:** Morocco. **collected:** August 02, 1983. **locality:** 156km NE of Agadir on Road S 501. **elevation:** 1575m. Annual. Wild. Seed.

PI 516589 to 516590. *Hippocrepis* sp. FABACEAE

Donated by: Rumbaugh, M.D., Forage and Range Research Lab., USDA-ARS, Utah State University, Logan, Utah, United States; and Graves, W., Cooperative Agricultural Extension, 5556 Overland Avenue, Building 4, San Diego, California, United States. Received January 1986.