



MASS REPORT

Spring 2022



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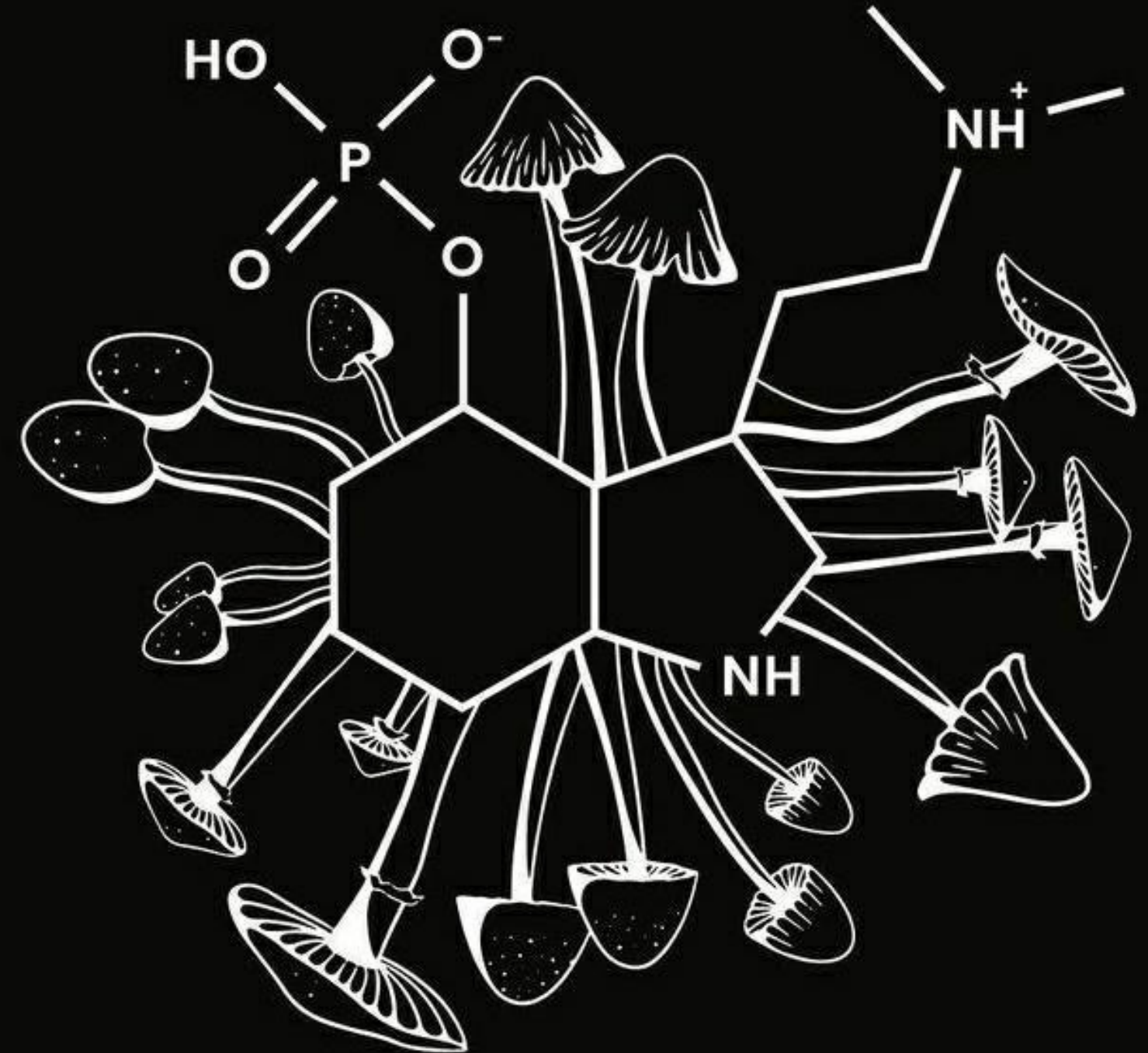


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HYPHAE LABS PRESENTS:

THE SPRING PSILOCYBIN CUP 2022



OVERVIEW

The following data was created by Hyphae Labs and represents our current R&D processes; it is thanks to the support of the community we are able to bring this data, for public benefit, forward. From this we hope to engage in conversations around testing and growth!

Certified Reference Material (CRM) of Norbaeocystin (NRB), Baeocystin (BAO), Psilocybin (PCB), Norpsilocin (NPC) and Psilocin (PCN) were used for comparative analysis. There may be other tryptamines not identified or listed here that are not detectable by our current methodology. The detected values are labeled as the ranges for the CRM due to this. The samples are listed in order received, followed by tryptamine ranges mg/g following the aforementioned order. The data falls in alignment with previous high percent dry weight observed for PCB (up to 15.1mg/g)*. The expected 'threshold dose' for recreational use is about 25-30mg of PCB for a 70kg person**. Reported values are in milligrams per gram (mg/g) and are calculated from R2 Analysis of CRM standard curves. Statistical analysis of the curves showed large F-statistics and a low Probability (<0.01) of non-linearity according to an Ordinary Least Squares Linear Regression analysis.

OVERVIEW CONTINUED

The purpose of this is to test the accuracy of calculations and the robustness of our data. All calculations have been reviewed by analytical chemists on the Hyphae Labs Science Advisory Committee.

There were seventy-six (116) entrants with PCB ranges from 0.63-16.1 mg/g and PCN ranges from <0.1-3.5 mg/g. Many varieties, including a number of Penis Envy, Mazatapec, and Texas Orange caps to name a few. To determine champions, we have developed a new metric for comparison: the Hyphae Spectrum™! We compare and analyze the PCB range and PCN range; as those numbers increase in values the experiences tend to increase in depth/intensity (PCB) or speed-of-onset (PCN). Plotting these values together creates the field on which we draw the gradations of the spectrum. We chose champions based on how they best apply to and fit into their respective categories. We believe lower PCN in a Microdose is best to regulate overdosing; while higher concentrations of PCB in Recreational or Spiritual/Therapeutic doses allows for less fruiting body consumed and likely lower mushroom matrix irritations.

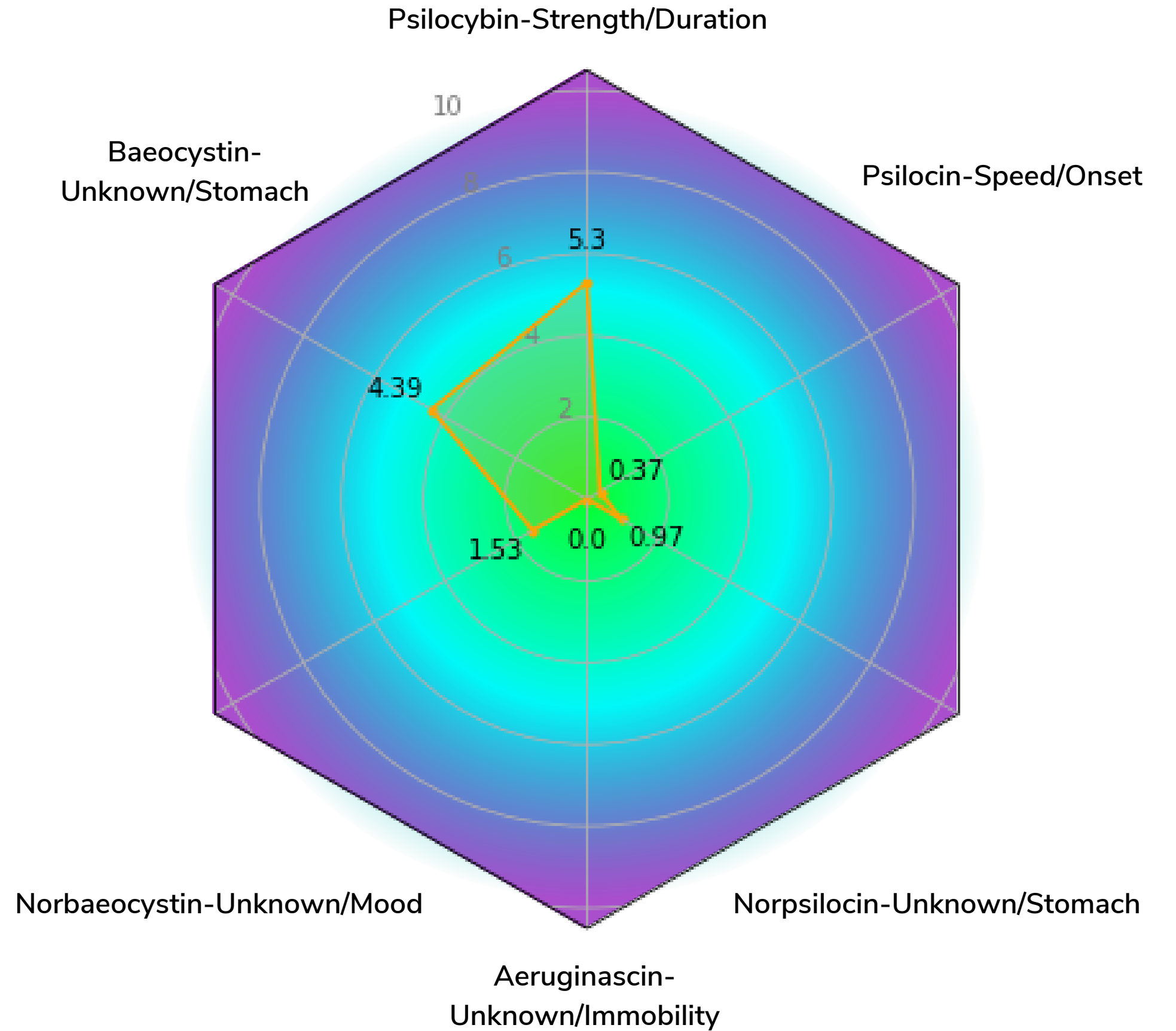
* Gotvaldová K, Hájková K, Borovička J, Jurok R, Cihlářová P, and Kuchař M. Stability of psilocybin and its four analogs in the biomass of the psychotropic mushroom *Psilocybe cubensis*. *Drug Test Anal.* 2021 Feb; 13(2):439-446.

** Griffiths RR, Johnson MW, Richards WA, Richards BD, McCann U, Jesse R. Psilocybin occasioned mystical-type experiences: immediate and persisting dose-related effects. *Psychopharmacology (Berl)*. 2011 Dec;218(4):649-65. doi: 10.1007/s00213-011-2358-5. Epub 2011 Jun 15.

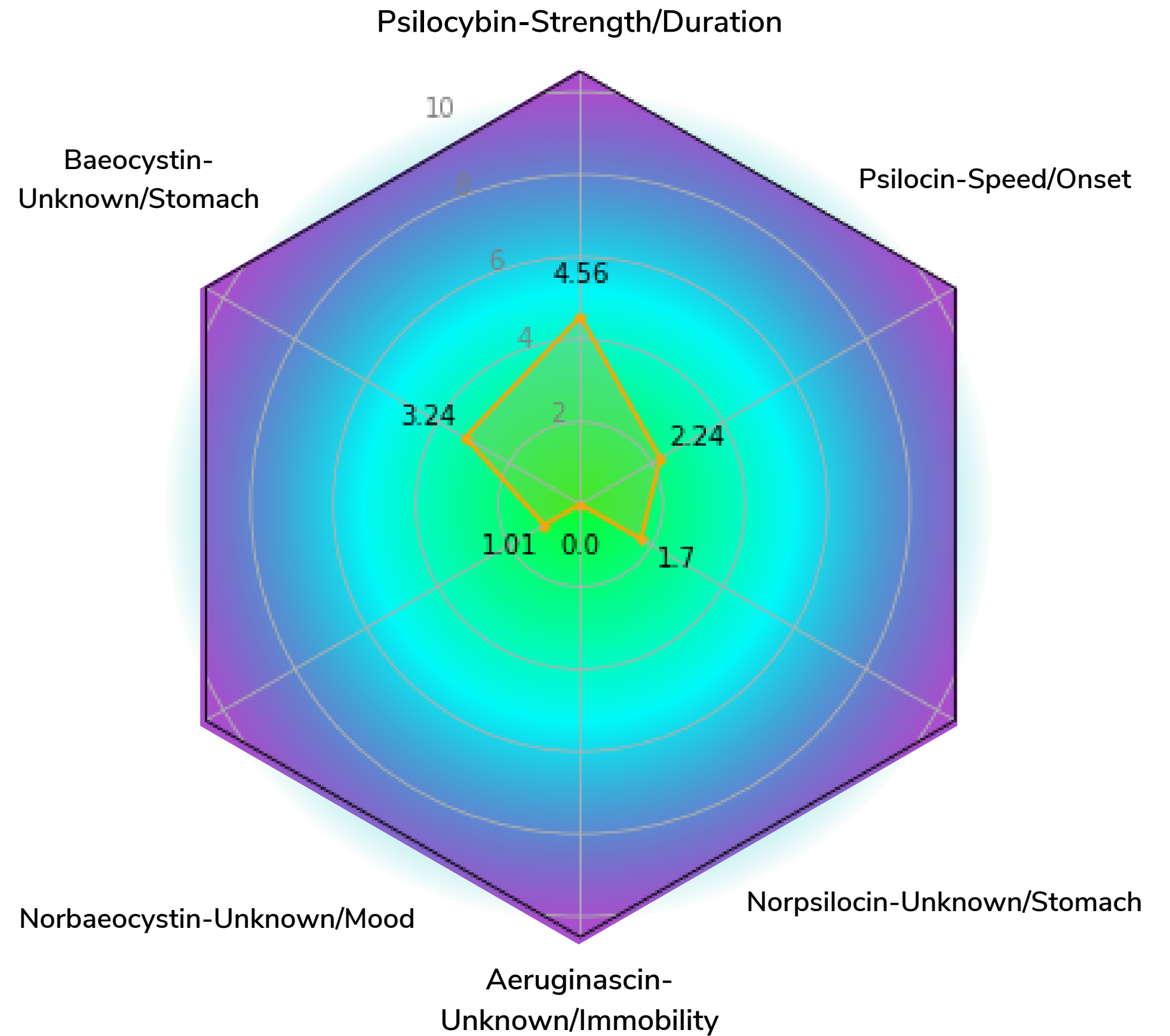
RECREATIONAL CHAMPION

We chose this champion based on having a total tryptamine content at around 10mg/g (1.0%), with low amounts of Psilocin to ensure most stable compounds for processing (chocolates/extracts/etc). Here we focus on stability of product and higher tryptamine content, a well-regulated sample is key to creating a consistent product from dried fruit. The ideal champion will have high phosphate-tryptamine content, and lower hydroxy-tryptamine content.

RECREATIONAL CHAMPION - UPZIDE CUP 147 JACKFROST



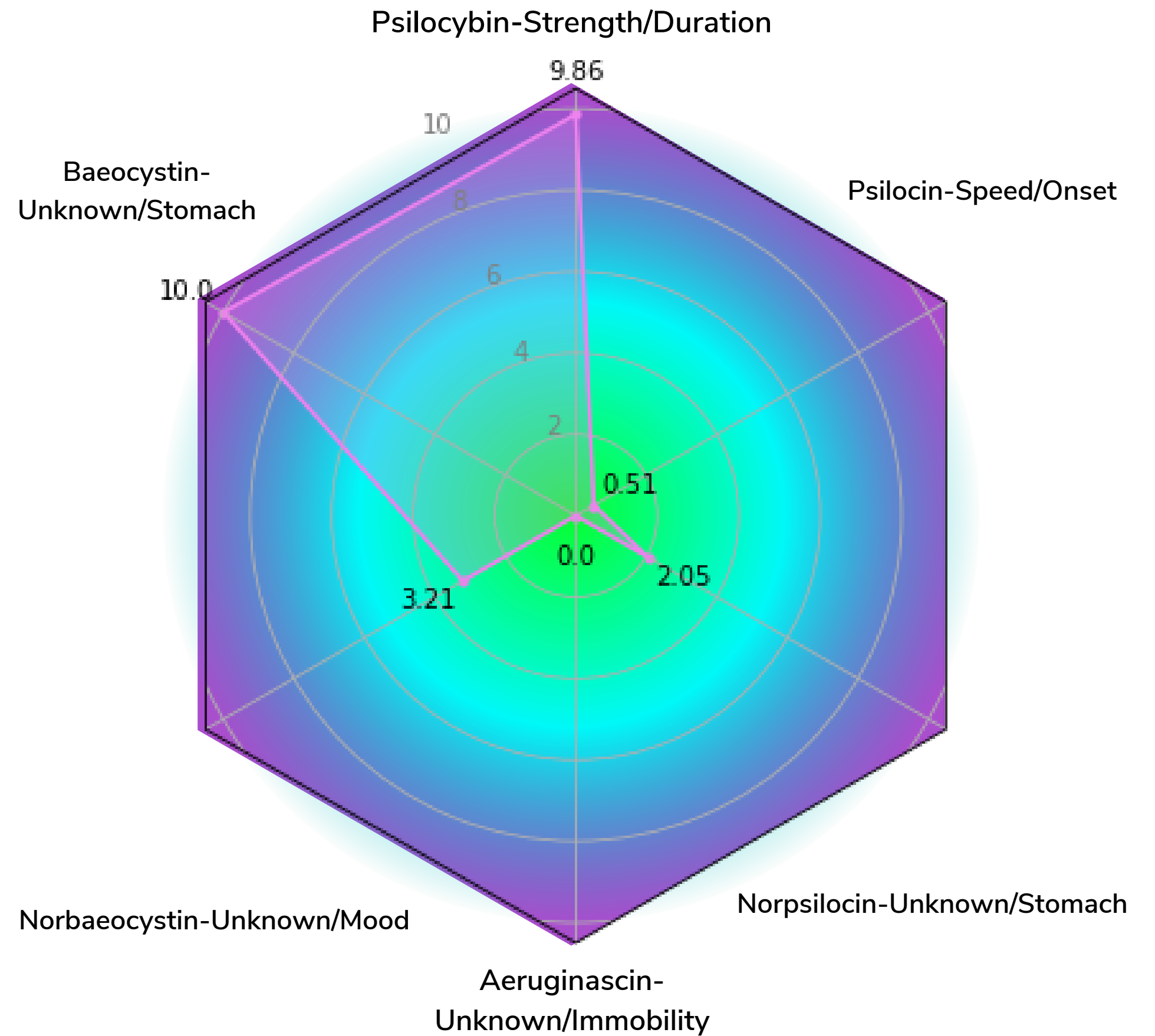
RECREATIONAL CHAMPION - PSYTEAM UNITED CUP 188 SOUCOUP VOLANTE 10



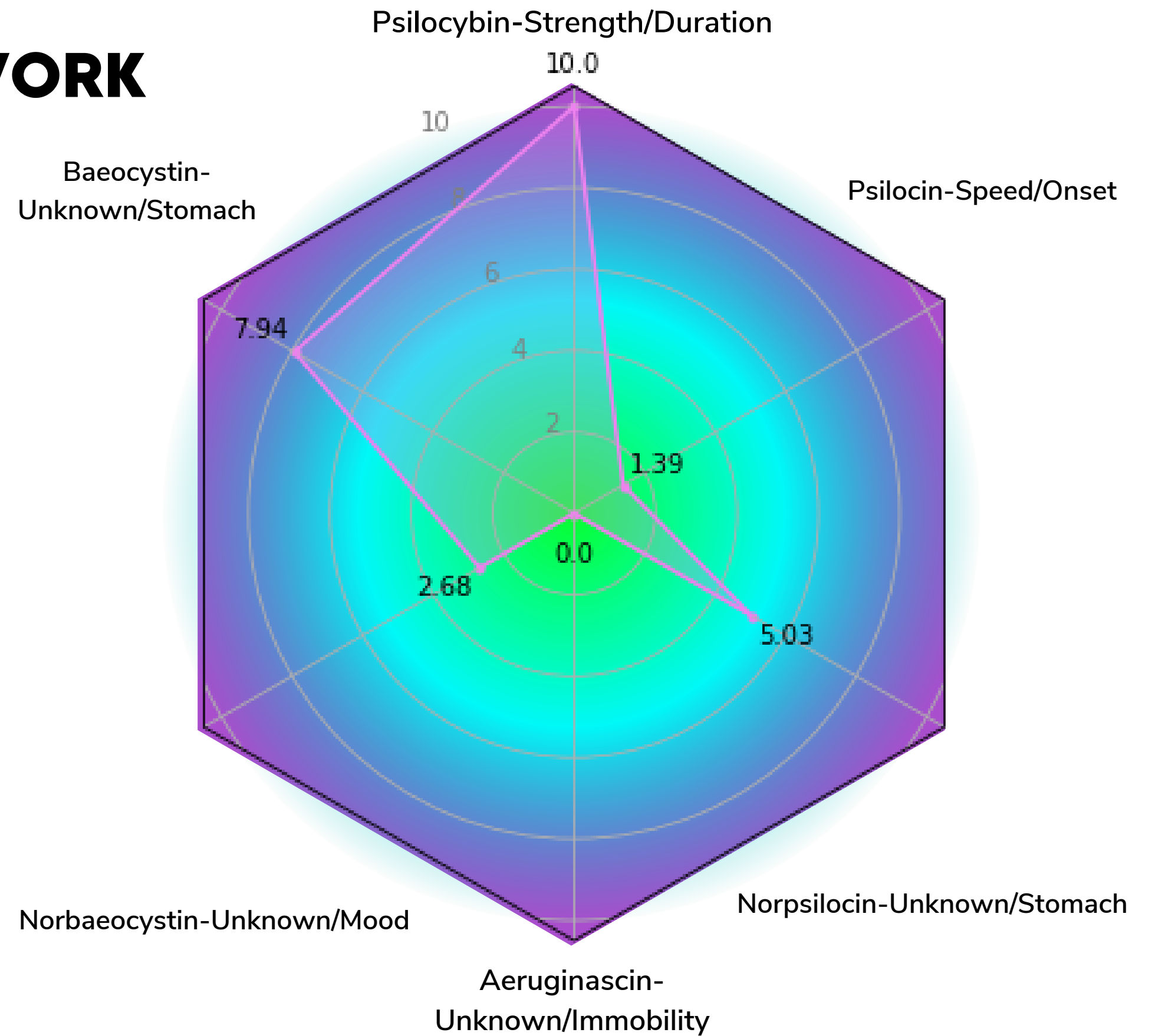
SPIRITUAL CHAMPION

We chose this champion based on having the highest total tryptamine content. Here we focus on the potency of fruiting bodies as to reduce the amount needed for 'breakthrough' experiences. The typical 'breakthrough' dose for a 70kg person is about 25mg of Psilocybin, reducing the amount of fruiting bodies needed to reach this limit is the ideal for this champion.

SPIRITUAL & BAEOCYSTIN CHAMPION - CPAP CUP 201 ALBINO PENIS ENVY



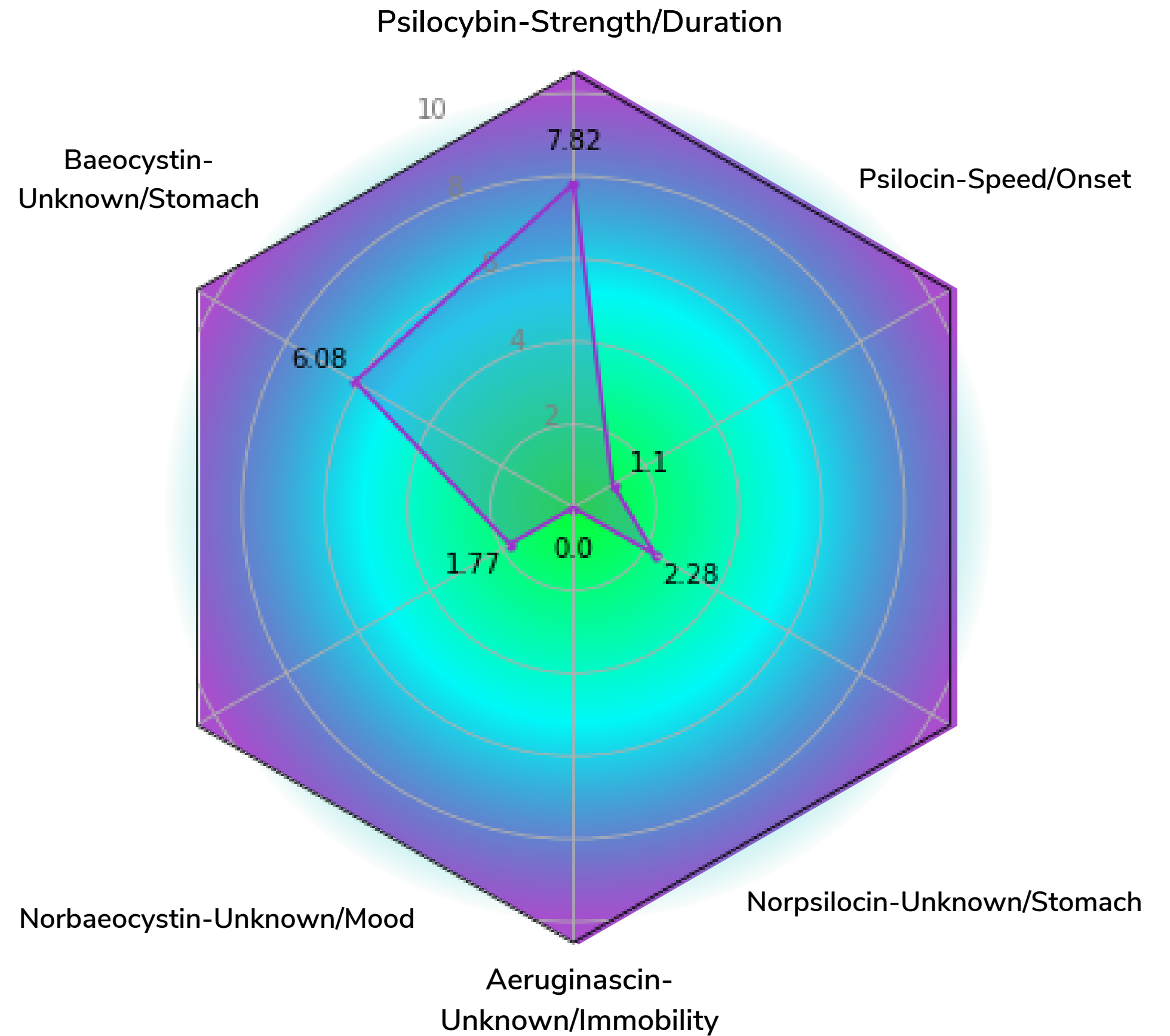
SPIRITUAL & PSILOCYBIN CHAMPION - MYCELIC NETWORK CUP 209 - APE BC



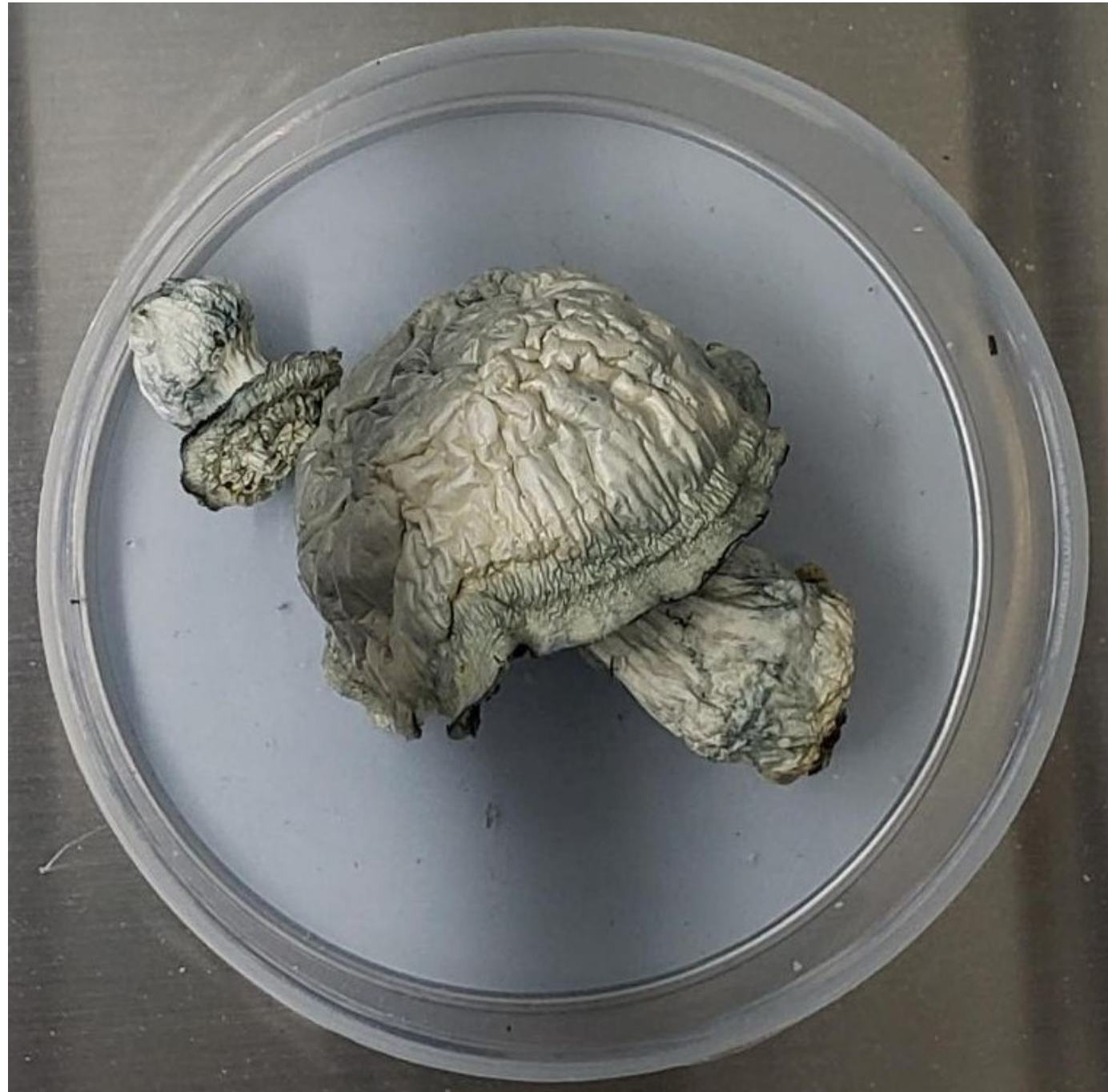
THERAPEUTIC CHAMPION

Here we focus on the potency of fruiting bodies as to reduce the amount needed for 'breakthrough' experiences. The typical 'breakthrough' dose for a 70kg person is about 25mg of Psilocybin, reducing the amount of fruiting bodies needed to reach this limit is the ideal for this champion.

THERAPEUTIC CHAMPION - MYCHOCHONDRIA -CUP 203 HAOLE PETER



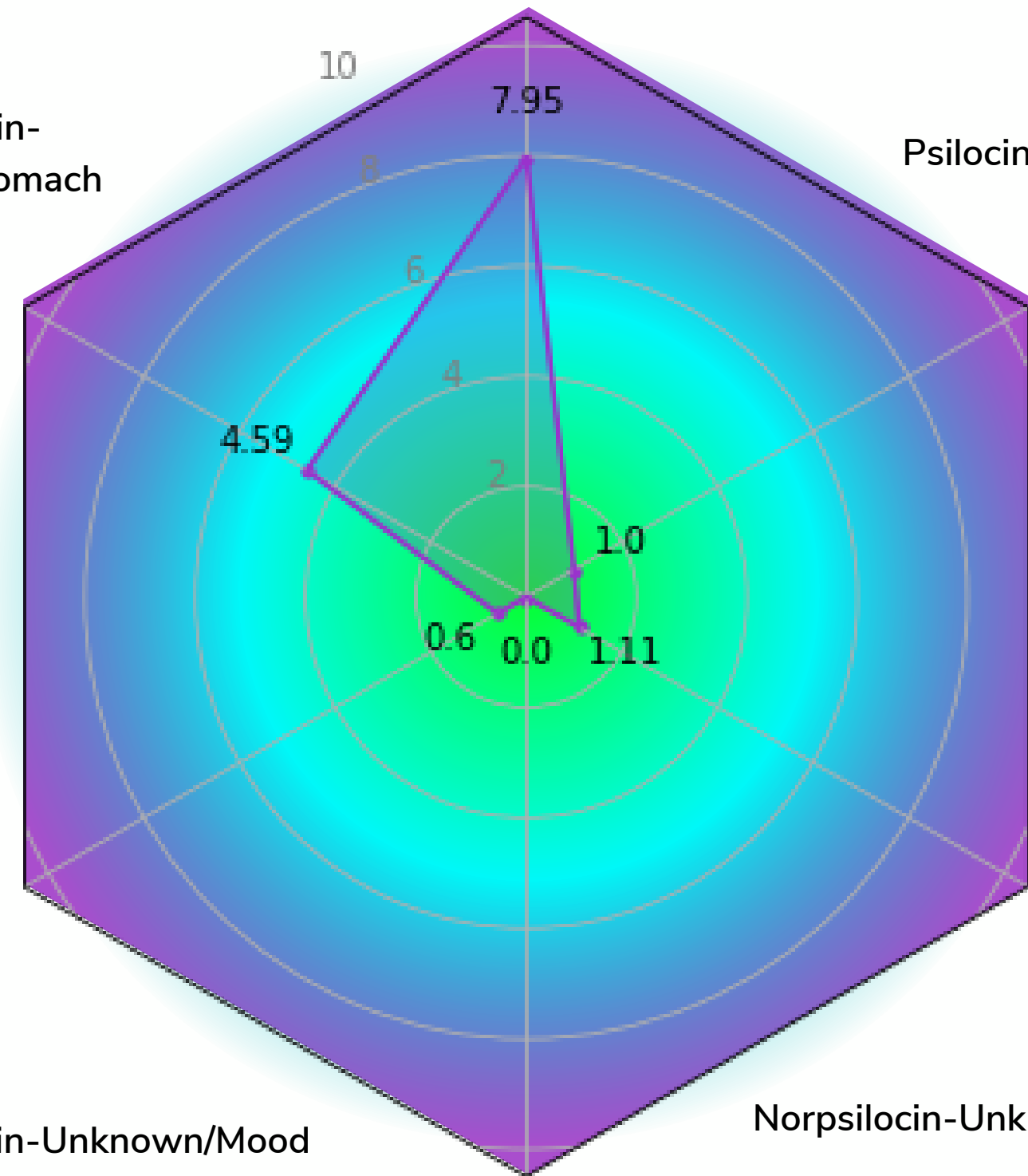
THERAPEUTIC CHAMPION - PURPLE MYSTIC MYCO -CUP 163 ALBINO CHODEWAVE PMM



Baeocystin-
Unknown/Stomach

Psilocybin-Strength/Duration

Psilocin-Speed/Onset



Norbaeocystin-Unknown/Mood

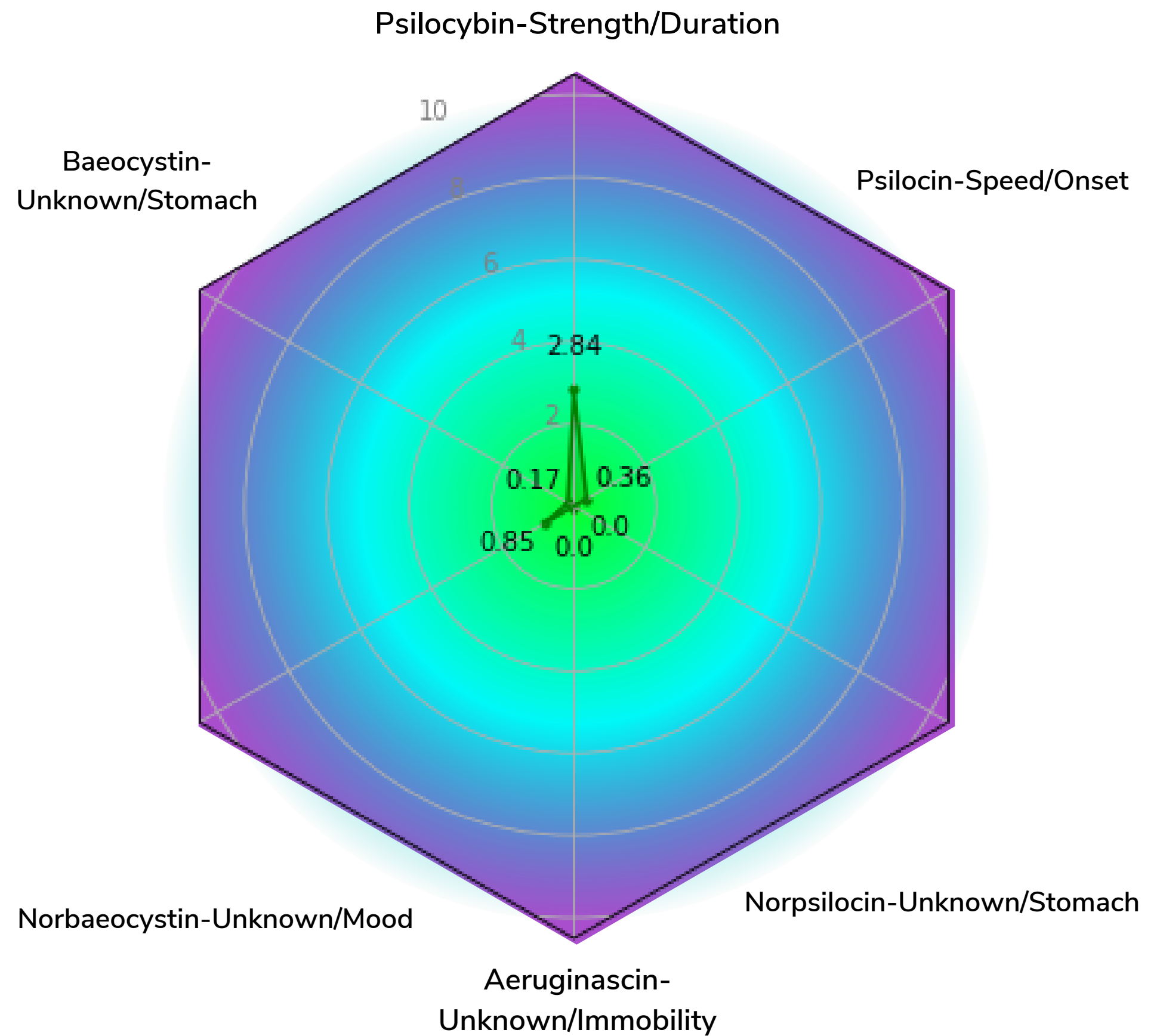
Norpsilocin-Unknown/Stomach

Aeruginascin-
Unknown/Immobility

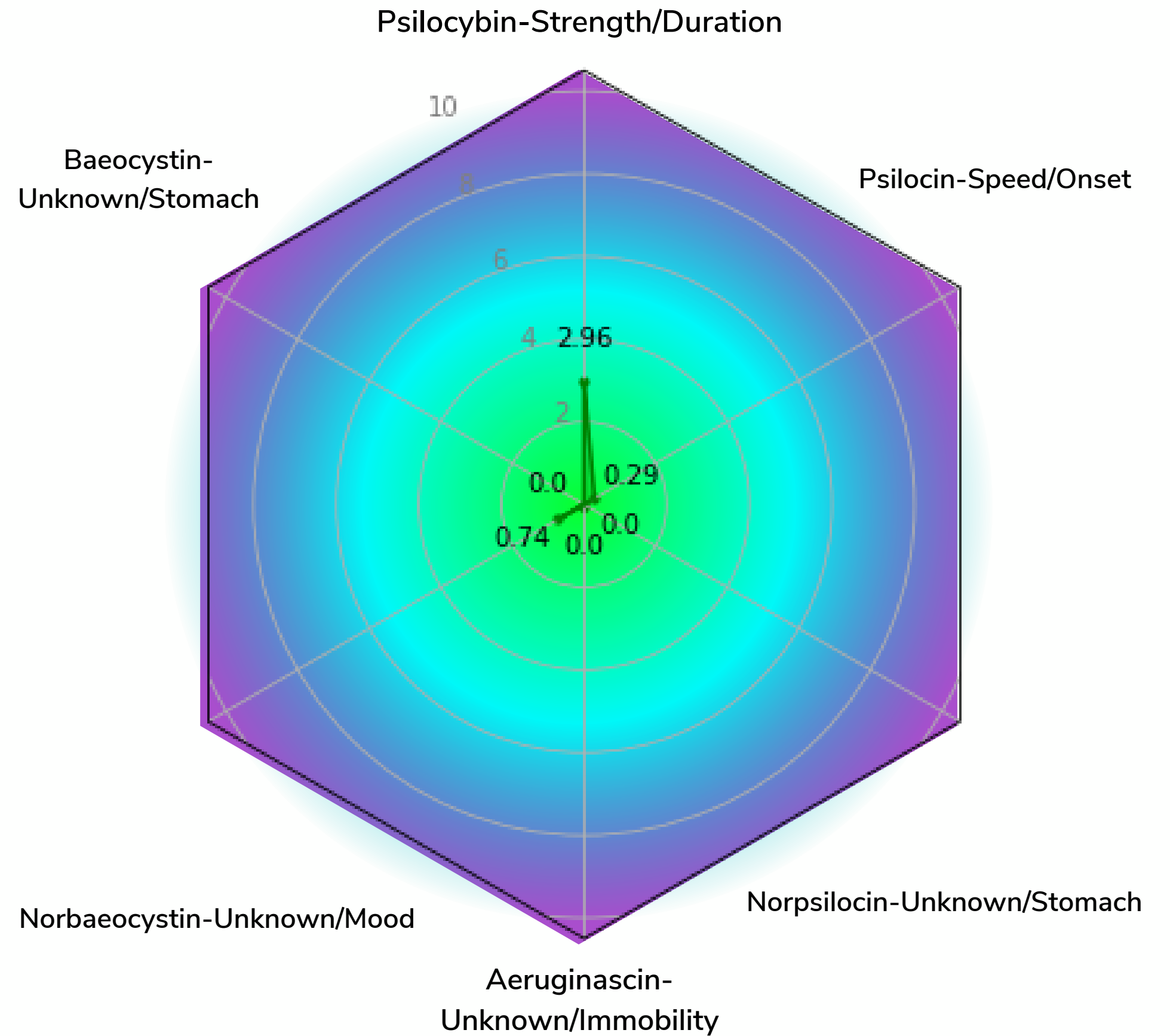
MICRODOSE CHAMPION

We chose this champion based on having a total tryptamine content at around 5mg/g (0.5%). This is because of consideration of dose, a 0.2mg pill should contain about 1mg of active tryptamines. The ideal sample will have notable amounts of hydroxy-tryptamines as well as phosphate tryptamines, totaling as close to 5mg/g as possible.

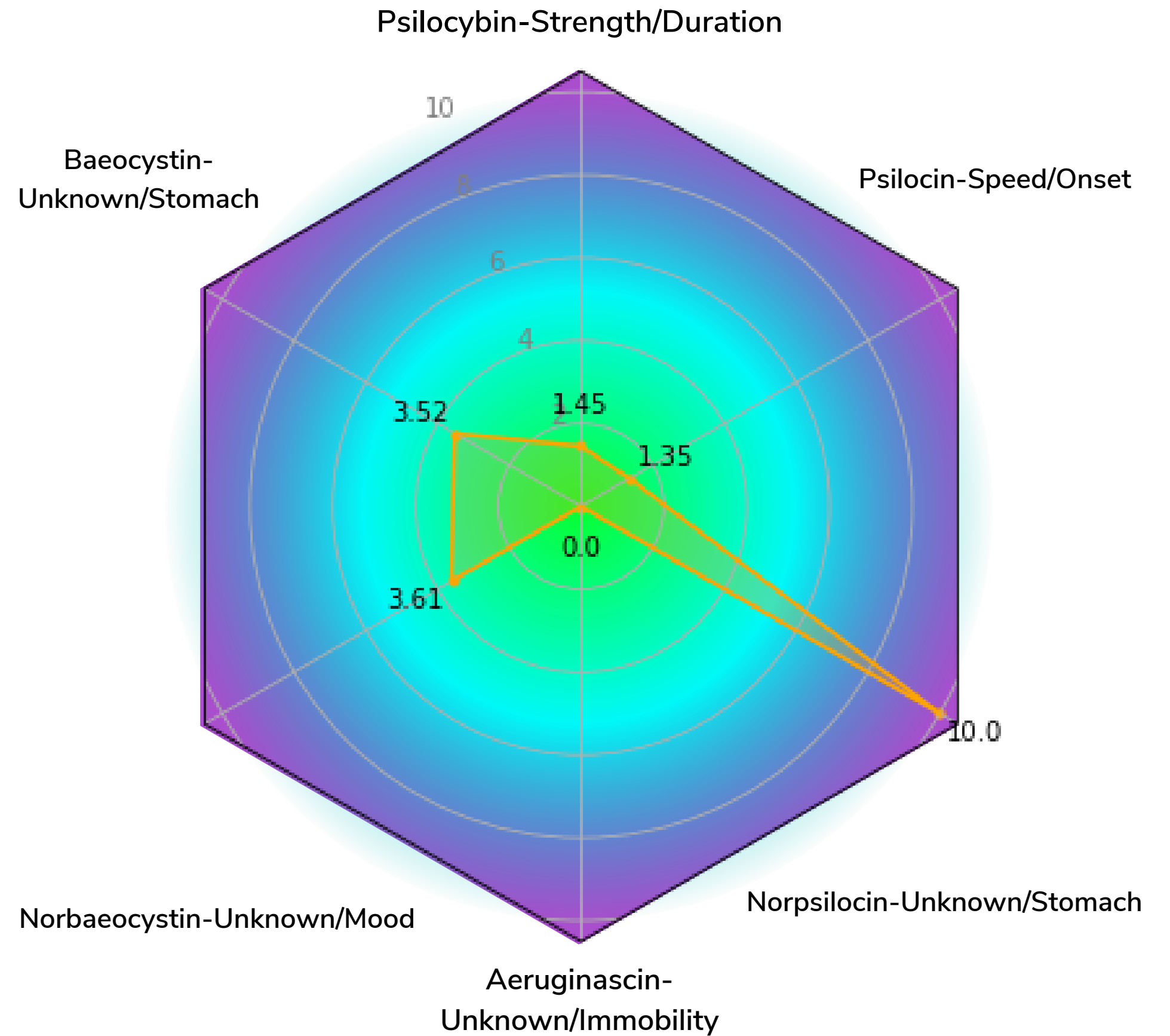
MICRODOSE CHAMPION - HUMBLE TORTOISE - CUP 249 OMNI HT



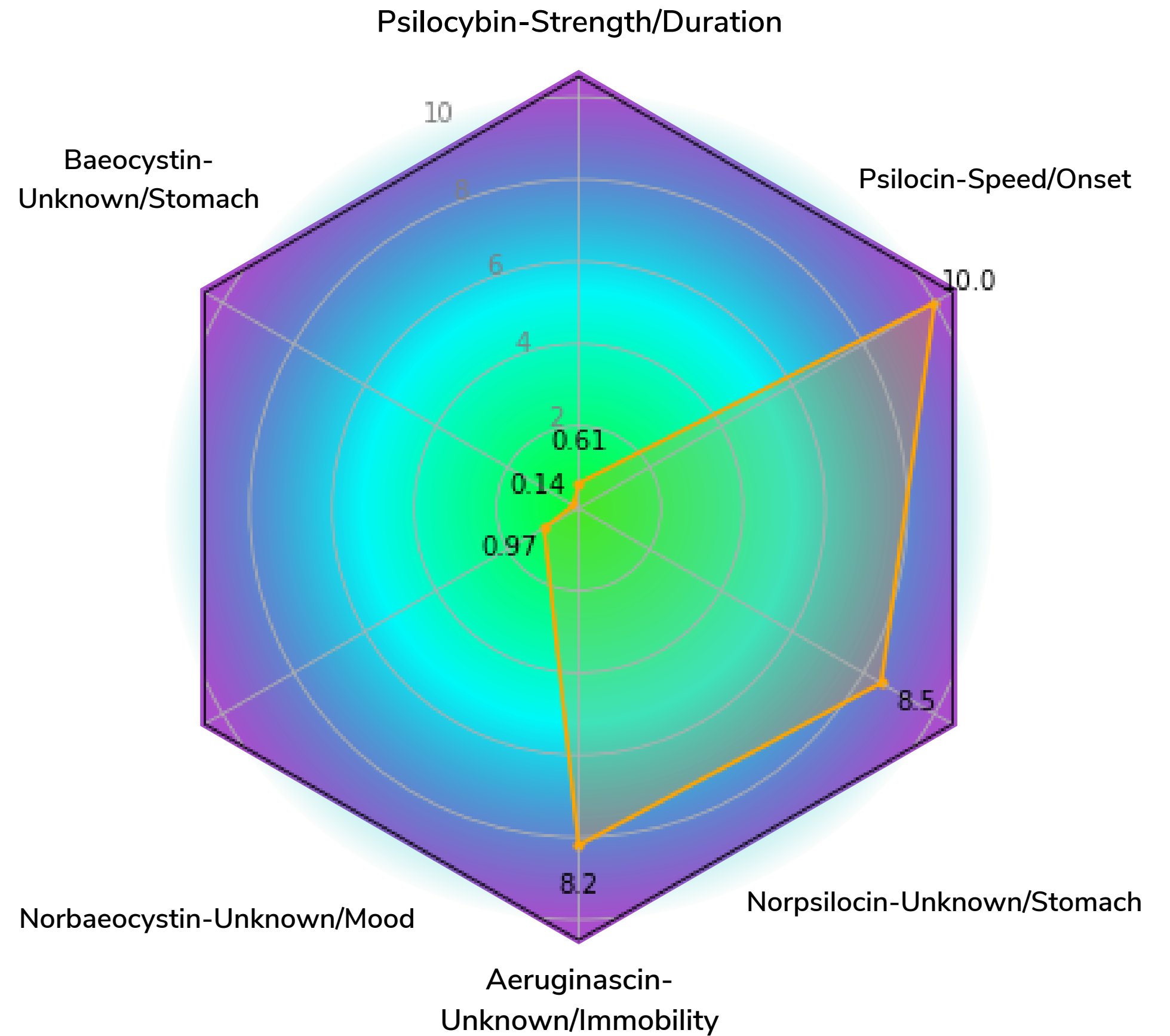
MICRODOSE CHAMPION - CHRISTINA CUP 262 BAPE C



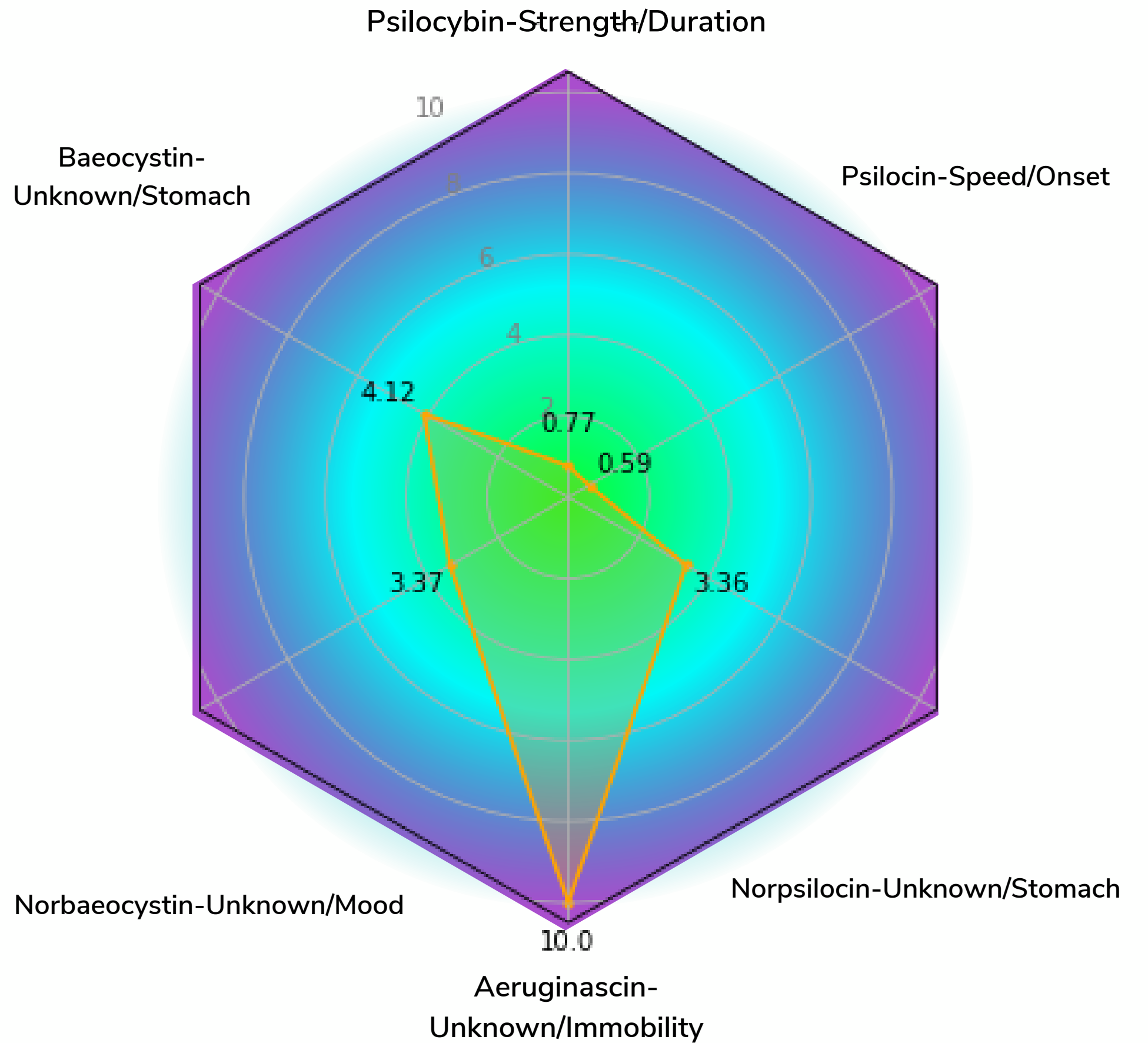
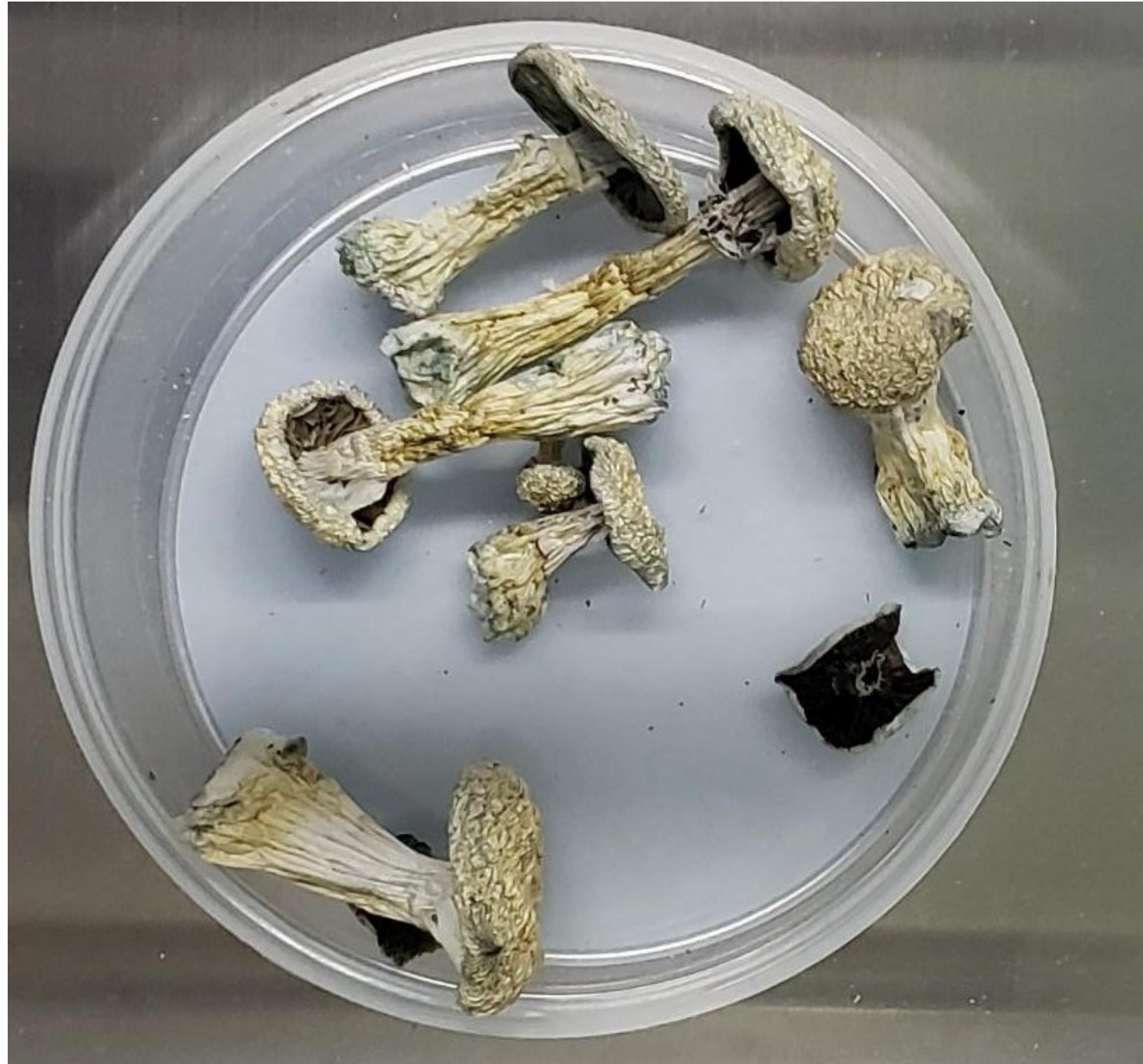
NORPSILOCIN CHAMPION - SYE CUP 234 HILLBILLY S



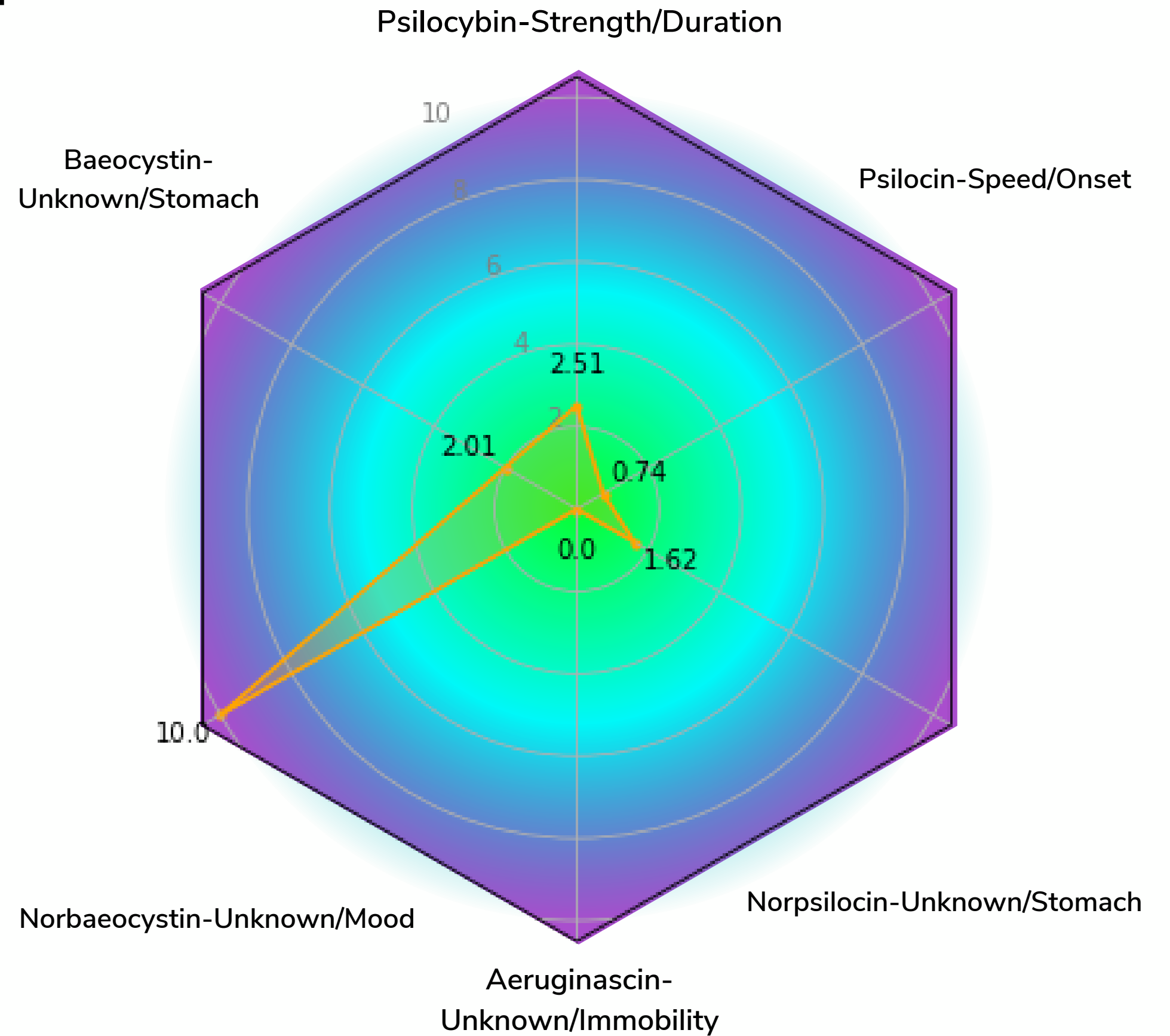
PSILOCIN CHAMPION - TRIP TEAM FAM CUP 232 PAN AGUADILLA



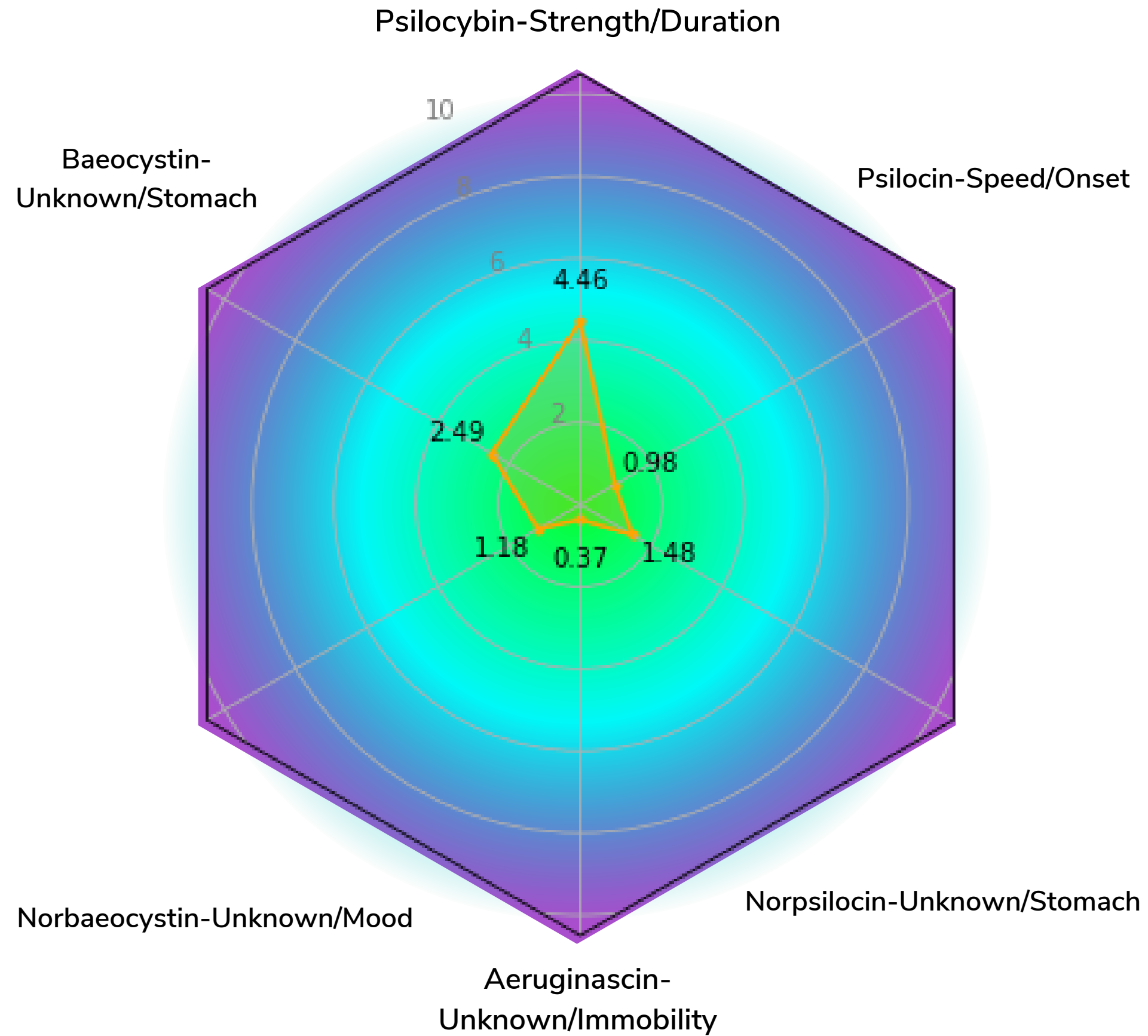
AERUGINASCIN CHAMPION - BLACKSTAR MYCOLOGY CUP 184 ALBINO TREASURE



NORBAEOCYSTIN CHAMPION - SUNSHINE DOSES CUP 174 PE7 SD



HYPHAE LABS AVERAGE SAMPLE - CUPAVG



BIG THANK YOU TO OUR SPONSORS!

