Psychless's League of Legends team stats & analytics spreadsheet

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## Starting out

## Main roster

The very first thing you do is fill out your roster with your in-game names. OP.GG and soloQ ranks are optional

WARNING: Don't manually fill won/lost/winrate. Those are automated by excel formula

	M	ain Roster	
Role	IGN	OP.GG Link	SoloQ Rank
Тор			
Jungle			
Middle			
Bottom			
Support			
Won	0		
Lost	0		
Winrate	0 Played		

	Mo	ain Roster	
Role	IGN	OP.GG Link	SoloQ Rank
Тор	MT Psychless	<u>Psychless</u>	Diamond baby
Jungle	MT Jumpy	<u>Jumpy</u>	Diamond 4
Middle	Farradise	<u>Farradise</u>	Diamond 4
Bottom	MT Liquish	<u>Liquish</u>	Platinum 3
Support	MT Bam bam	<u>Youribam</u>	Diamond 2
Won	23		
Lost	17		
Winrate	57.50%		

## Weekly schedule

Your recently filled roster will now show up in the schedule.

Team captain should now update the week dates and schedule's time-zone (whatever your team agreed on). After that, players fill out their availability and team captain sets up events (practice, scrims, tournament etc.) and writes them down on left side

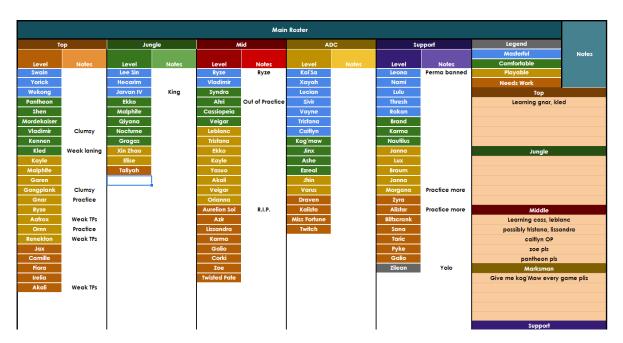
			Weekly	Schedule (CET /	GMT + 1)			
				This Week 30th-5th	1			
Day	Start/End Time	Event	MT Psychless	Jungler	Mid laner	Bottom	Support boi	Coach
Monday								
Tuesday								
Wednesday								
Thursday								
Friday								
Saturday								
Sunday								
				Next Week 6th-12t	h			
Monday								
Tuesday								
Wednesday								
Thursday								
Friday								
Saturday								
Sunday								

	Weekly Schedule (CET / GMT + 1)									
	This Week 2nd-8th									
Day	Start/End Time	Event	MT Psychless	MT Jumpy	Farradise	MT Liquish	MT Bam bam	Coach		
Monday	20:00	JET League	19:00	Any	x	19:00	19:00	After 20:00		
Tuesday			19:00	Any	20:00	Not sure	Not sure	Afte 21:00		
Wednesday			19:00	Any	20:00	Not sure	Not Sure	17:00		
Thursday			19:00	Any	20:00	Not sure	Not Sure	17:00		
Friday			19:00	Any	20:00	19:00	19:00	not sure		
Saturday			18:00	Any	20:00	Not sure	19:00	not sure		
Sunday		Clash?	18:00	Any	20:00	18:00	Any	any		
				Next Week 9th-15t	h					
Monday										
Tuesday										
Wednesday										
Thursday										
Friday										
Saturday										
Sunday										

## Champion pool

Here is where each player lists their champ pool, skill level of them and notes about them (if there's any)

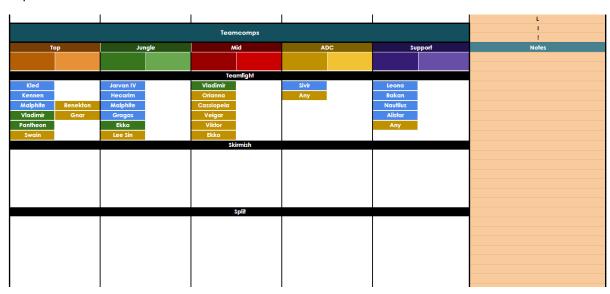
				Champ	ion pool					Skill level legend	
To	o .	Jur	ngle	Mi	d	Al	ос	Su	pport	Legend	
			Í						i e	Masterful	Notes
Level	Notes	Level	Notes	Level	Notes	Level	Notes	Level	Notes	Comfortable	
										Playable	
										Needs Work	
										Тор	
										Jungle	
										Jongie	
										Middle	
										Marksman	
										Marksman	
		1				1					
						1					
		I				I					
		1				1					
		1				1				Support	
		I				I					
		I				I					



## Team comps

After your champ pool is filled, scroll further down and there you'll see team comp section. The team captain, coach or whoever can start building specific team comps from the champ pool resources

		Teamcomps			
Тор	Jungle	Mid	ADC	Support	Notes
		Teamfight			
		·			
		Skirmish			
		Skirmish			
		Split			



## Filling out games

There are 2 ways you can fill out game info – manually or using my python script which fetches data from Riot's API and fills out all the match details automatically

After you've played a game that you want to keep stats of (usually scrims, tournaments and not casual 5v5's), head down to "Game stats" sheet and start filling out the info

## Manual fill

## Sheet "Game stats"

Here we fill all the main data about the match that was played. Since we're covering manual input, we ignore the grey columns as they're additional info for the automation script

Info: No need to color cells manually, Excel takes care of it automatically



JA										
	Α	В	С	D	Е	F	G	Н	1	
1	G	AME STATS	Deldis	Opport	ant come	ine cone	ime Se	esult su	he Rive Red Teamcon	mp
2	1	14.10.2019	JET League	MDG	26.57	1617	L	В		4
3	2	16.10.2019	JET League	VEX	25.06	1506	W	R		4
4	3	18.10.2019	JET League	DIY	24.08	1448	W	R		4
5	4	21.10.2019	JET League	DIY	21.41	1301	W	В		4
6	5	24.10.2019	Scrims	Jυ	26.34	1594	W	В		4
7	6	24.10.2019	Scrims	Jυ	36.51	2211	L	R		4
8	7	24.10.2019	Scrims	Ju	24.40	1480	W	В		4
9	8	26.10.2019	JET League	VEX	24.07	1447	W	В		4

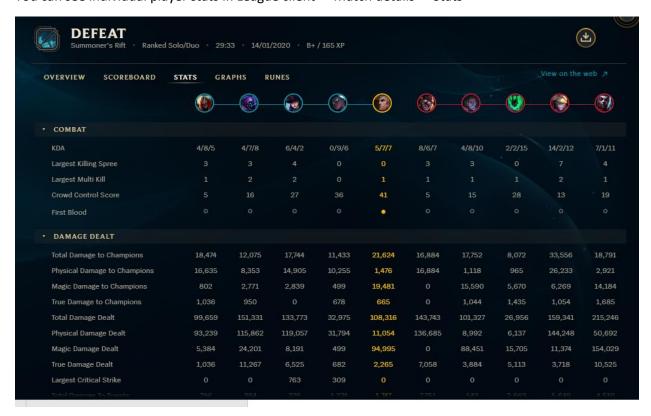
#### Individual player stats

This is the slow and tedious part with the manual input.

After you filled out a completed game, it will show up in each player's sheet and you start filling out all the empty fields. All other fields are calculated automatically with Excel formulas



You can see individual player stats in League client -> Match details -> Stats



Filled example:

=Gen	eral!M1	0																				
A	8	С	D	Ε	F	G	н	1	J	К	L	М	N	0	P	Q 4	<b>▶</b> \$	т 4	▶ V	W	×	
Tr.	Psychlesis Resi	A city	a (Feed   Blue)	on (1)	ME (T) D	aths (*)	Sales (1) FOA	, Rails year pa	Danner L	o disempera Ci	or relative Descriptor	Hands de	ded (*)	Stronged (*)	and bought (1)	de Major est	The the stood	O (C) Company	Owen act	one th	The last milit	, O
	L	В	Pantheon	1	3	1	0.67	28.57%	6,877	255.18	14,624	11	3	3	28	62.34	8.8	6.5	199	7.38	8,782	2
			Gnar	1	1	5	6.00	28.57%	11,330	451.39	11,686	10	1	2	25	59.76	6.6	4.3	151	6.02	8,489	16
			Wukong	10	4	7	4.25	56.67%	14,920	618.23	14,386	8	4	3	25	62.15	5.6	4.2	109	4.52	11,446	22
	W		Pantheon	6	1	4	10.00	33.33%	11,287	520.54	14,002	8	2	2	18	49.81	5.7	5.8	135	6.23	9,048	- 18
			Gnar	5	0	12	Perfect	58.62%	18,977	714.32	18,197	10	6	3	37	83.56	7.2	8.0	180	6.78	12,095	2
			Yorick	5	5	4	1.80	33.33%	28,808	781.76	30,473	16	4	4	34	55.36	6.0	8.8	342	9.28	16,905	24
	W	В	Pantheon	8	2	5	6.50	52.00%	15,868	643.30	15,252	10	3	2	23	55.95	5.6	6.7	154	6.24	10,563	20
	W		Pantheon	4	1	7	11.00	37.93%	12,052	499.74	13,240	7	5	2	30	74.64	5.4	6.7	154	6.39	9,419	18
	w	В	Pantheon	3	1	8	11.00	42.31%	9,033	326.10	14,930	12	11	4	44	95.31	5.3	6.7	170	6.14	10,732	18
			Shen	6	2	11	8.50	68.00%	23,296	720.49	25,674	13	2	3	25	46.39	5.4	5.9	204	6.31	13,888	22
	W	В	Pantheon	6	3	6	4.00	30.00%	14,609	486.43	21,913	12	3	3	33	65.93	5.5	7.9	177	5.89	12,141	17
			Yorick	6	4	1	1.75	50.00%	22,346	639.68	25,102	15	7	5	39	66.98	6.5	9.4	290	8.30	15,484	25
			Kennen	6	5	8	2.80	53.85%	18,147	501.07	19,892	15	6	2	33	54.67	7.0	5.0	213	5.88	12,422	20
	W	R	Pantheon	2	5	11	2.60	61.90%	13,224	425.44	17,935	12	2	2	25	48.26	5.9	6.3	172	5.53	10,803	18
			Shen	1	2	6	3.50	50.00%	5,312	195.89	11,020	14	7	5	32	70.81	6.7	7.8	183	6.75	8,582	15
	L	В	Kled	1	2	1	1.00	33.33%	5,997	226.44	17,663	11	2	3	24	54.37	5.9	5.8	159	6.00	7,799	20
	W		Gnar	3	3	10	4.33	68.42%	12,272	519.63	15,973	9	2	3	25	63.51	6.9	3.6	143	6.06	9,374	15
				٠.	-									-								-

#### Automated fill (advanced)

#### Setting up automation

This section needs to be done only when just starting out and launching the project for the first time

#### Python download

First thing – download and install Python 3.x:

https://www.python.org/downloads/

#### Project(script) download

Download the project and unzip it wherever

https://github.com/Psychless/league-auto-stats/archive/master.zip

#### Project configuration

First off, double-click on a file called 'install.sh' in the main folder. It will look like it's hacking the mainframe of pentagon's security defenses but what it actually does, it installs the necessary python packages that the script uses (programmer jibber jabber... I know)

After that, open up the project's folder and open ./Common/Constants.py file with any text editor First thing, insert your Google sheet's ID

```
#@oogle sheets

TEAM_SHEET_ID = '1sLWHy3JX41VyxtLPAE16Nx2FrnUKf6_f0kLBHg03zR4' # INSERT SOMETHING HERE
```

You can get the sheet's ID by opening the sheet in browser and copying this part from the URL

```
https://docs.google.com/spreadsheets/d/1sLWHy3JX4lVyxtLPAEl6Nx2FrnUKf6_fOkLBHg03zR4/edit#gid=0
```

If you're team is not playing on EUW region, change these parameters accordingly to your region:

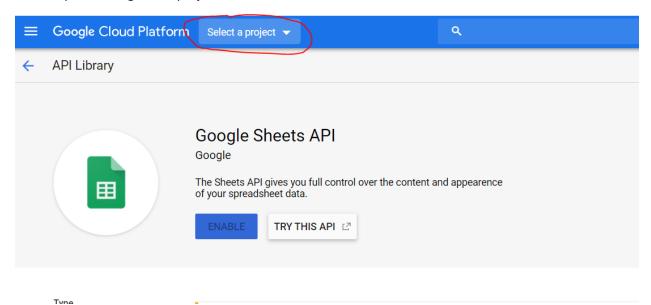
```
# IF YOU'RE PLAYING IN NON-EUW - CHANGE THIS
REGION = 'EUW1' # EUW1, EUN1, NA1, RU ... etc.
REGION_DATA_DRAGON = 'euw' # euw, eune, na, ru ... etc.
```

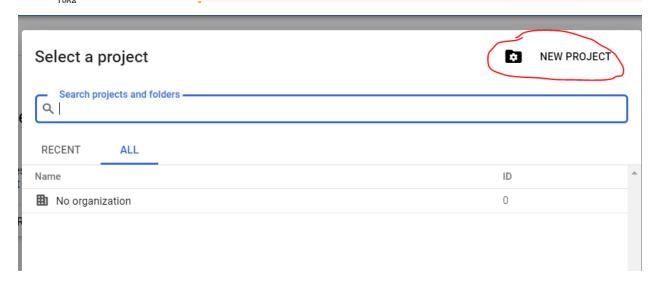
#### Setting up Google Sheets API

First off, go to this link and login with your google account -

 $\frac{https://console.cloud.google.com/apis/library/sheets.googleapis.com?q=sheets\&id=739c20c5-5641-41e8-a938-e55ddc082ad1\&project=api-6840244764871064192-812587\&pli=1$ 

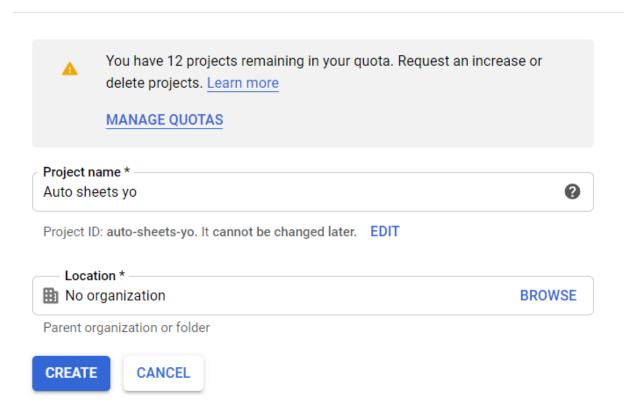
Next step – creating a new project:



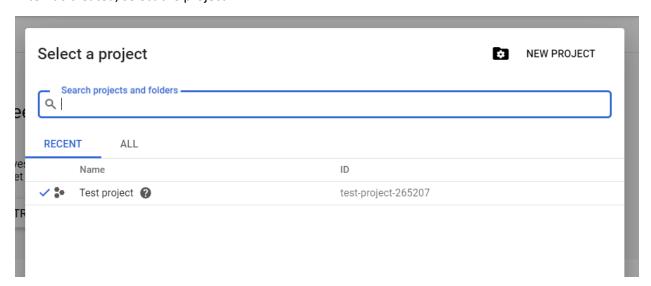


Put in any name in the "Project name" input. Doesn't matter at all

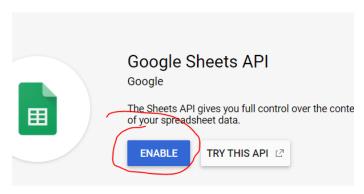
# **New Project**



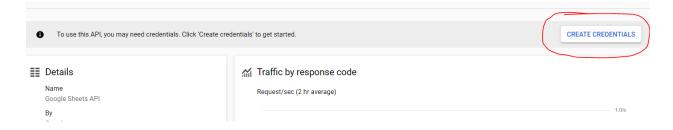
#### After it's created, select the project



## And enable the Google sheets API



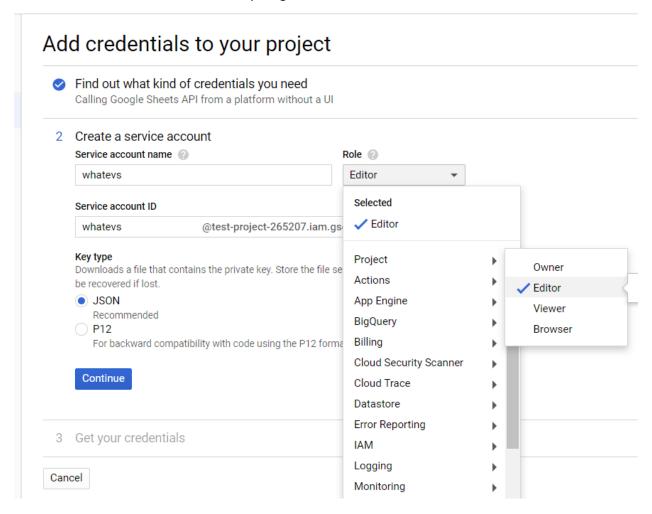
#### Create credentials



# Add credentials to your project

What credentials do I need?

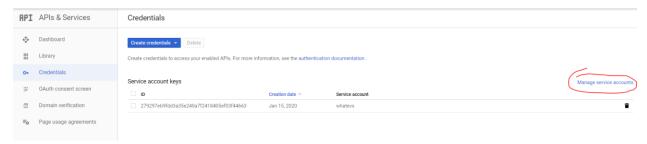
## 1 Find out what kind of credentials you need We'll help you set up the correct credentials If you wish you can skip this step and create an API key, client ID, or service account Which API are you using? Different APIs use different auth platforms and some credentials can be restricted to only call certain APIs. Google Sheets API Where will you be calling the API from? Credentials can be restricted using details of the context from which they're called. Some credentials are unsafe to use in certain contexts. Other non-UI (e.g. cron job, daemon) What data will you be accessing? Different credentials are required to authorize access depending on the type of data that you request. User data Access data belonging to a Google user, with their permission Application data Access data belonging to your own application Are you planning to use this API with App Engine or Compute Engine? Applications running on GCE and GAE can use application default credentials and don't require that you create a credential. Yes, I'm using one or both No, I'm not using them



After this step, it will save a .json file to your computer. Rename it to 'credentials.json' and replace the one in the project's main folder with this one

## After that is done, you need to get the API's e-mail address.

Status



#### Copy the e-mail address

Email



Description

Key ID

279297eb9fdd3a35e240a7f2418405ef03f44663

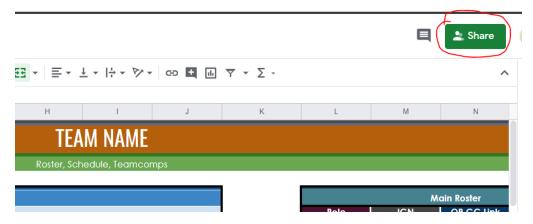
Key creation date

Jan 15, 2020

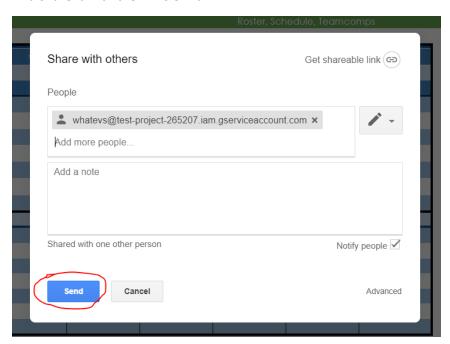
Actions

Name ↑

## Open your spreadsheet



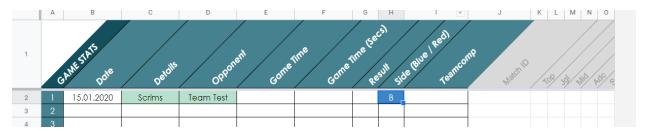
#### And share it with the API's e-mail



#### Sheet "Game stats"

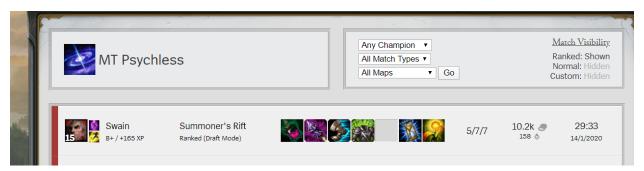
Now when the script is all set up, we can start filling out games

Start by filling out only the information shown in this example (script needs only the 'Side' column and the gray columns):



After that is done, we'll need to fetch match ID. Open up your match history in web

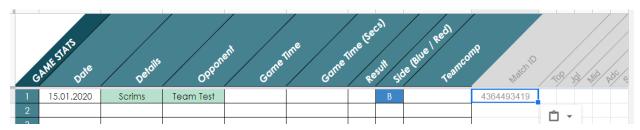
https://matchhistory.euw.leagueoflegends.com/en/#match-history



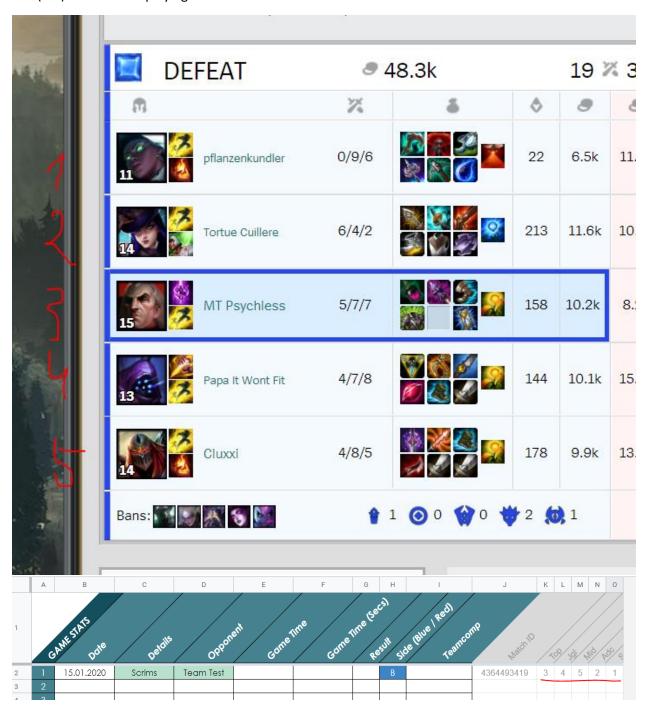
Find and click on the game which you are currently filling and you'll get the match ID from this part of the URL



Copy that and insert it into the 'Match ID' column



Since Riot can't detect which player plays what role, you'll have to point it out yourself. Write in which slot (1-5) the role was playing in



After this has been done, we can launch the script...

#### Launching the script (and how it works)

The way it works: it's going through the list of games in the "Game stats" sheet. If the game has a filled out "Side" column and an empty "Result" column, the script will see it as an unfilled match and start its job on it. So if you need to re-do a specific match, just remove the result and it will grab and fill it again.

After each match, it will take a 100 second break, because the Google sheets API has some tight quotas and it would exhaust its resources and the script would crash.

To launch the script, you right click the Main.py file -> Open with -> Python

If everything has been done correctly, you should see something like this:

```
Starting up Riot API
Riot API - RUNNING
Starting up Google sheets API
Google sheets API - RUNNING
Looking for unfilled games.
Fetching match #4226918258 stats
Filling general match stats
General match stats - DONE
Filling player stats
- player #1
- player #2
- player #3
- player #4
- player #4
- player #4
- Player #5
- Player stats - DONE
Match #4226918258 - DONE
Match #4226918258 - DONE
```

After it's done, it will automatically close. If something's not working, contact me (Psychless)

## Overall analytics

#### Average stats

After you have some games inserted, you can start checking out the "Average stats" sheet

Important: Everything's automated there, don't directly edit anything there

#### Example of spreadsheet with 41 games played:



## Overall Pick/Winrate

If you're interested on how certain champions perform, head over to "Overall Pick/Winrate" sheet Important: Everything's automated there, don't directly edit anything there

JA	our rotto					
_	A B	С	D	Е	F	G
1	च च	Our <b></b> Pi	·	후		Sames Player 🛨
2	Champion	Pick Rate (%)	Win Rate (%)	# Picked	Won Games	41
100	Ashe	2.44%	100.00%	1	1	
101	Caitlyn	2.44%	100.00%	1	1	
102	Ekko	7.32%	100.00%	3	3	
103	Jinx	2.44%	100.00%	1	1	
104	Kalista	2.44%	100.00%	1	1	
105	Karma	2.44%	100.00%	1	1	
106	Kayle	2.44%	100.00%	1	1	
107	Mordekaiser	2.44%	100.00%	1	1	
108	Morgana	4.88%	100.00%	2	2	
109	Nami	2.44%	100.00%	1	1	
110	Veigar	2.44%	100.00%	1	1	
111	Wukong	2.44%	100.00%	1	1	
112	Pantheon	19.51%	87.50%	8	7	
113	Cassiopeia	21.95%	77.78%	9	7	
114	Leona	26.83%	72.73%	11	8	
115	Jarvan IV	41.46%	70.59%	17	12	
116	Gnar	14.63%	66.67%	6	4	
117	Hecarim	7.32%	66.67%	3	2	
118	Lucian	7.32%	66.67%	3	2	
119	Kai'Sa	41.46%	64.71%	17	11	
120	Kled	12.20%	60.00%	5	3	
121	Rakan	29.27%	58.33%	12	7	
122	Lee Sin	17.07%	57.14%	7	4	
123	Vladimir	21.95%	55.56%	9	5	
124	Azir	4.88%	50.00%	2	1	
125	Braum	4.88%	50.00%	2	1	
126	Elise	4.88%	50.00%	2	1	
127	Sejuani	9.76%	50.00%	4	2	
128	Swain	9.76%	50.00%	4	2	
129	Syndra	24.39%	50.00%	10	5	
130	Xayah	21.95%	44.44%	9	4	