P020

Test: DELPHi / DIY (circle one) P020

Universidad de La Laguna (Spain), 26 January 2022

Your initials: [redacted]

- **Question 1:** Is the candidate gene a transcription factor or part of a transcription complex?

Gene	Transcription factor / part of transcription complex? (Y/N)
HIF1A	
SMAD3	
TRAF2	
CEBPA	Y

Y

- **Question 2:** Is the candidate gene involved in an immune signalling pathway, i.e. a pathway that is immune cell-specific or a generic pathway known to operate in immune cells (e.g. the JAK-STAT, MAPK, NF-kappa B or TNF signalling pathways) ?

  You can also consider blood cell-specific pathways like leukaemias.

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	~~JAK-STAT~~ TGF-B signaling IL4 signaling pathway

- **Question 3:** Can you write down the known protein binding partners (if any) of each candidate gene ?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	FOX1 KOMIA

ATF5 (IntAct)

- **Question 4:** Can you write down the diseases each candidate gene is associated with?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	acute myeloid leukemia ~~[illegible]~~ ankylosis of temporomandibular joint

- **Question 5:** For each candidate gene, can you find a genetic phenotype that produces an abnormal immune phenotype or disease?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	abnormal ~~B cell~~ b cell proliferation

- **Question 6:** Are any of the candidate genes expressed in a type of immune cell or in a tissue or organ where immune cells are known to reside (e.g. the bone marrow, thymus, spleen and lymph nodes) ?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	bone marrow

spleen
lymph organ

- **Question 7:** Have any of the candidate genes been studied in the context of macrophages?

Gene	PMID of paper
HIF1A	
SMAD3	
TRAF2	
CEBPA	Y

Y

System Usability Scale

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	Strongly disagree				Strongly agree	
1. I think that I would like to use this system frequently				X		3
	1	2	3	4	5	
2. I found the system unnecessarily complex	X					4
	1	2	3	4	5	
3. I thought the system was easy to use				X		3
	1	2	3	4	5	
4. I think that I would need the support of a technical person to be able to use this system	X					4
	1	2	3	4	5	
5. I found the various functions in this system were well integrated			X			2
	1	2	3	4	5	
6. I thought there was too much inconsistency in this system	X					4
	1	2	3	4	5	
7. I would imagine that most people would learn to use this system very quickly					X	4
	1	2	3	4	5	
8. I found the system very cumbersome to use	X					4
	1	2	3	4	5	
9. I felt very confident using the system			X			2
	1	2	3	4	5	
10. I needed to learn a lot of things before I could get going with this system	X					4
	1	2	3	4	5	

34

$34 \times 2.5 = 85$

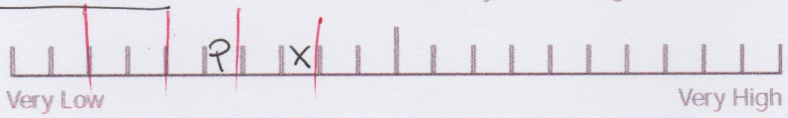
Figure 8.6

NASA Task Load Index

Hart and Staveland's NASA Task Load Index (TLX) method assesses work load on five 7-point scales. Increments of high, medium and low estimates for each point result in 21 gradations on the scales.

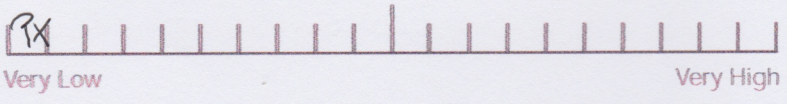
Name	Task	Date

Mental Demand — How mentally demanding was the task?



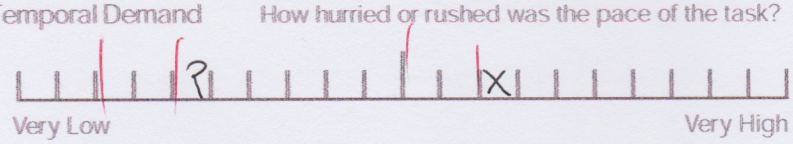
Very Low — Very High

Physical Demand — How physically demanding was the task?



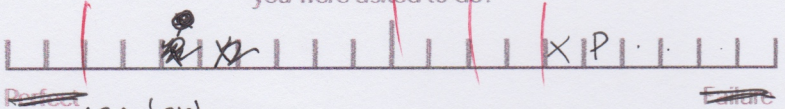
Very Low — Very High

Temporal Demand — How hurried or rushed was the pace of the task?



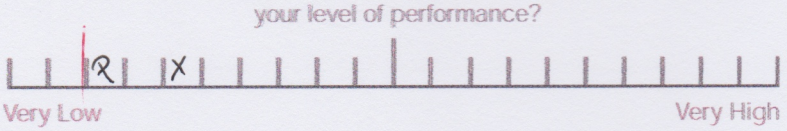
Very Low — Very High

Performance — How successful were you in accomplishing what you were asked to do?



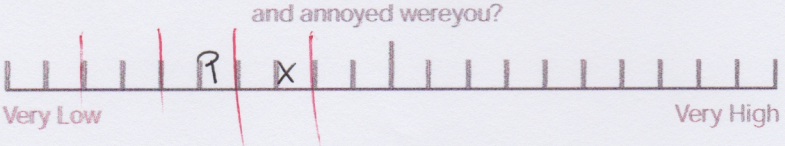
~~Perfect~~ very low — ~~Failure~~ very high

Effort — How hard did you have to work to accomplish your level of performance?



Very Low — Very High

Frustration — How insecure, discouraged, irritated, stressed, and annoyed wereyou?



Very Low — Very High

P020

[redacted]

Final year PhD student

	P	X	
Q1	1'37"	Enrichr Open Targets Genetics	1'10" con Maria de Mar
Q2	32"	Maayanlab.cloud	1'38"
Q3	15"	Open Targets Genetics	~~1'~~ 60"
Q4	10"	Open Targets	1'51"
Q5	1'13"	Open Targets	~~1'06~~ 1'29"
Q6	16"	Open targets	1'06
Q7	9"	Open Targets → Pubmed	~~1'2~~ 1'20"

FAVORHUB

(does not remember the website she's looking for)

Qué cosas te gustaron - pareció bien?

(+) es rápido.

(+) todo bastante resumido, aunque podría haberse añadido más información

(−) no se ven los niveles de expresión de los genes.

· Qué cambiarías?

- estaría bien tener un resumen de las páginas más de lo que se ha usado para ~~las respuestas~~ mapa gathering

· Algo más?