Introduction Analysis Table

Sentence (Underline the signal words)		Stage / Move	Tanaa	Voice	Useful sentence patterns
		(functions & purposes)	Tense		(boldface your practice)
Pregnancy is one of the most critical periods for mother	•	Move 1a: Presenting central	Present	Active	
and child (Alkema et al., 2016; Say et al., 2014). It		problems for mapping out a			
involves a tremendous flow of physiological changes		context	Present	Active	
and metabolic adaptations week by week, and even					"even small deviations from the
small deviations from the norm might have detrimental			Modal	Active	norm"
consequences at different pregnancy stages.					This sentence pattern finds its
For example, approximately 20% of all pregnancies end			Present	Active	echo at the end of this
in miscarriage (< 20 weeks), and around 10% end in			Present	Active	paragraph.
preterm birth (<37 weeks) (Blencowe et al., 2013;					
Wang et al., 2003). The latter is the leading cause of			Present	Active	"The latter is"
global neonatal morbidity and mortality (Blencowe et					"The latter" means the "10%
al., 2013). Of 200 million annual pregnancies, 300,000					end in preterm birth"
pregnancy- and birth-related maternal deaths and 7					
million perinatal deaths occur worldwide (GBD 2013			Present	Active	
Mortality and Causes of Death Collaborators, 2015;					"With a better understanding
Sedgh et al., 2014).					of"
With a better understanding of how pregnancy is					+ Noun Phrase or Noun Clause
regulated, even small improvements in obstetric health					"even small improvements in
care can enhance the well-being of many women and			Modal	Active	obstetric health"
children.					parallelism of "even even "
The maternal circulatory system <u>connects</u> with the fetal	•	Move 1b: Introducing &	Present	Active	
circulatory system through the placenta, carrying		Reviewing items of previous			
bioactive molecules and biomarkers such as steroid		research in the area			
hormones, micronutrients, and circulating nucleic					

Paper Title: Liang et al., 2020. Metabolic Dynamics and Prediction of Gestational Age and Time to Delivery in Pregnant Women. Cell 181, 1680–1692.

· 1 1				4 1 1
acids, whose concentrations alter as gestation				"whose concentrations alter as
progresses (King, 2000; Koh et al., 2014; Tulchinsky et				gestation progresses"
al., 1972; Wang et al., 2016).				= whose concentrations alter in
In addition, current clinical tests often only <u>focus</u> on a				accordance with gestation progress
few markers, whereas research covering more				
molecules often <u>examines</u> the profiles at one or a few				"current clinical tests often only
time points during pregnancy (Bahado-Singh et al.,				focus on a few markers, whereas
2012; Dudzik et al., 2014; Gagnon et al., 2008; Kenny				research covering more molecules
et al., 2010; Romero et al., 2010; Sachse et al., 2012;				often examines the profiles"
Soldin et al., 2005).				clinical tests vs. research by
				using "whereas"
Recent work on cell-free RNA suggests that markers in	• Move 2: Indicating a gap in the	Present	Active	
maternal blood can be used to estimate gestational age,	previous research / Extending			
but sequencing <u>can</u> be expensive and time-consuming,	previous studies	Modal	Active	"sequencing can be expensive and
and the accuracy, at present, is not ideal (Ngo et al.,		Present	Active	time-consuming, and the accuracy,
2018).				at present, is not ideal"
Therefore, a more accurate and cost-effective method				A prediction via "can" is
for estimating gestational age and delivery time,		Present	Passive	followed by an affirmative be-
possibly using blood metabolites, is needed.				verb "is" to enhance the tone.
Thus, a high-resolution landscape of pregnancy related				
metabolites during healthy pregnancy and the				The passive voice is used twice to
postpartum period is still poorly understood.		Present	Passive	indicate a gap.
				0 I
Here, we use untargeted metabolomics (Kaddurah-	• Move 3a: Outlining purposes	Present	Active	"Here, we use"
Daouk et al., 2008) to systematically profile blood	(or stating the nature) of the			"Here" can mean both "In this
metabolites throughout pregnancy with weekly	current study			paper" and "Under this
sampling of maternal blood.				circumstance"

	•	Move 3b: Listing research questions or hypotheses			
The study <u>identified</u> a large number of pregnancy- related metabolites and metabolic pathways offering a comprehensive view of the metabolite changes during healthy pregnancy and the postpartum period.	•	Move 3c: Announcing major findings	Past	Active	"The study identified a large number of pregnancy-related metabolites and metabolic pathways offering a" There should be a comma (,) before "offering"
Leveraging the high-resolution datasets, we <u>built</u> a metabolic clock that not only predicts gestational age in high accordance with the first-trimester ultrasound, the clinical gold standard, but also recovers personal pregnancy variations undetected by ultrasound but capable of affecting delivery time.	•	Move 3d: Stating the value or contribution of the present research	Past	Active	"Leveraging the high-resolution datasets, we <u>built</u> a metabolic clock that not only <u>predicts</u> gestational age [] but also <u>recovers</u> personal pregnancy" "Leverage" as a verb means "to use something to maximum advantage" (<i>Fowler's Dictionary</i> , p. 475) Tense inconsistency (among "built," "predicts," and "recovers") is nicely used to indicate a good job done and its potential.
	•	Move 3e: Indicating the structure of the research paper			